

				INTE	RPRETATION O	F TEST DATA (In 3)	0 days to 1 year of ex		ted 08/10/2011]											
			Swe	lling		nsile Strength]	joourej			r				WARN	ING				۱
			Linear (Plastics)	Volumetric (Elastomers)	(Plastics)	(Elastomers)		Description of Che	mical Attack					as assembled from 3 lished by VICTREX,	main sources, a) th	he Chemical Resi				
		A	< 10% < 15%	<= 15% <= 30%	< 15% < 30%		Excellent, little or no Good chemical resist					be used as a gene	ral guide only. Col	der Products Compai	ny is not responsible	e for the accuracy	of this data and	assumes no obligati	on of liability in	
		C	< 20%	<= 50%	< 50%	<= 60%	Limited chemical res	istance, moderate a	attack, condition			connection with its before using the c	s use. Therefore, C ouplings!	PC insists that all cu	stomers test and ev	aluate the suitabi	lity for use of CPC	couplings in their p	particular application	J I
		NR NOTE: <u>All temp</u>	> 20% eratures are in de	> 50% egrees Fahrenhei	> 50% <u>t</u> . Conversion:	> 60% °C = (°F - 32)/1.8	Severe attack, not re	commended for us	e		J									
CHEMICAL		-	SE	PRING Mater	als					COUPLING	Materials						SFAL	Materials		
						DIFF											FFKM			
Name	Formula (CAS #)	Hastelloy C (276)	316 SS	PPS	PEEK™	PTFE Encapsulated 316SS (TESS)	Polypropylene	HDPE	PVDF	PTFE/PFA	Acetal/POM (Celcon)	ABS	Polysulfone	Polycarbonate	FKM (Viton [®])	EPDM	(Chemraz [®] , Simriz [®] / Kalrez [®])	Buna	TPO (Santoprene)	Silicone
Acetaldehyde (Acetic Aldehyde, Acetic Ethanol)	C2H4O (75-07-0)	A @ 100% to 140° AB @ 100% to 200°	A to 212°	A 40-100%	A 40-100%	A	AB to 40% to 140° BC @ 100% @ 70-130° NR @ 100% @ 140°	C 40-100% @ 70° C/NR 120-140° **(OK Fluorinated/TEST)	AB to 40% NR 40-100% @ 70°+	A	A 40-100% to 70° AB to 180°	NR	NR 40-100% @ 70°	NR	B @ 40% 70-104° C @ 40% @ 140° HIFLUOR AB to 70°	A to 104° AB to 200°	(Chemraz White) N (Simriz) AB (Kalrez 4079) A	R NR	AB to 70°	AB to 70°
Acetamide (N-Acetyl Cysteamine) (Ethanethiol)	C4H9NOS (1190-73-4)	A 100% to 70° A 98% to 135° A 50% to 200°	A to 140° C 100% @ 150°	A to 200°	A @ 50% to 70°	А	A to 125° AB to 150°	A to 122°	A to 75° AB to 200°	A	B @ 70°	NO DATA	NR	NR	B HIFLUOR AB to 70°	A to 140° AB to 200°	A	A to 70° AB to 180°	A to 70°	BC @ 70° NR @ 70° (Dynamic)
Acetic Acid (Glacial (99.8% Pure), Vinegar (4-18%)) (Ethanoic Acid)	C2H4O2 (64-19-7) (9035-69-2)	A to 212°	A to 212°	А	A	A (PTFE Encapsulated 316 Stainless St.)	A to 140° AB 50-100% to 160° AB to 80% to 180°	AB to 100% to 70° AB 60% to 180°	A to 122° A to 10% to 225° AB to 50%,150-200°	A	A to 5% to 70° BC 10% @ 70°	AB 10% to 70° C 20% @ 70° NR 50-100% @ 70°	A to 100% to 70° A to 20% to 140°	A to 50% to 70° B to 50% @ 122°	A 10% to 70° B 10-25% to 100° B 50% to 140°	A to 70° AB to 200°	A A to 70°	B to 30% at 70° B to 20% to 185° C at 80% at 70°	A to 30% to 70° C 50% @ 70°	A to 30% to 70°
Acetic Anhydride (Acetyl Oxide)	C4H6O3 (108-24-7)	А	A to 40% to 165° A 40-100% to 300°	A to 200°	A	A (PTFE Encapsulated 316 Stainless St.)	AB to 130° NR @ 140°	B/NR 100% 70-180° **(OK Fluorinated/TEST)	AB to 70° NR @ 122°	A	NR at 70°	B/NR @ 70° NR @ 122	NR at 70°	NR at 70°	B 50% to 70° NR 50% @ 100° NR 100% @ 70°	B to 200°	A	C at 100% at 70° NR 25-50% at 70°	A to 70°	C @ 70° NR @ 70° (Dynamic)
Acetone (Dimethyl Keytone)	CH3COCH3 (67-64-1)	A	A to 212°	A to 200°	A to 212°	A (PTFE Encapsulated 316 Stainless St.)	A to 230°	C at 70° **(OK Fluorinated/TEST)	A to 10% to 122° AB 50% to 77°	A	A at 5% to 140° B at 70°	B 10% @ 70°	A to 20% to 70° NR at 100% at 70°	A to 70° NR 10-100% at 70°	NR HIFLUOR AB to 70°	A to 200°	A	125% vol 3 days 70° NR any conc at 70°	AB to 70°	C @ 70°
Acetonitrile (Methyl Cyanide)	CH3CN (75-05-8)	B @ 70°	A@100% to 100° NR 4% @ 192°	A to 200°	A to 70°	A (PTFE Encapsulated 316 Stainless St.)	AB to 75° NR @ 122°	A to 122°	A to 125° B @150° NR @ 180°	A	NR at 70°	NO DATA	NR at 70°	NR at 70°	NR HIFLUOR AB to 70°	A	A	C at 70°	NR	NO DATA
Acrylic Acid (Acrylic Polymer)	C3H4O2 (9063-87-0)	A 19%	A to 122° A 45% to 150° A 30% to 250°	NO DATA	A to 212°	A	A 100% to 70° AB 100% 100-250°	AB to 70° C @ 122: **(OK Fluorinated/TEST)	A 100% to 280°	A	NR	NR	B @ 70-122°	A tp 20% to 70° NR 100% @ 70°	NR Viton ETP "B"	NR	A	NR	NO DATA	NO DATA
Aluminum Sulfate (Aluminum Salt)	Al2012S3 (10043-01-3)	A to 165°	A to 50% to 212° AB 50-100%	A to 100% to boiling	A to 212°	A	A to 100% to 160° A to 10% to boiling AB 100% at 250°	A to 160°	A to 100% to 280° A 10% to boiling	А	A at 10% to 70° AB to 100% to 180°	A to 70° AB to 120°	A to 100% to 200° A to 10% to boiling	A to 100% to 200°	A to 100% to 176° A to 10% to boiling	A to 176° AB to 200°	A to 70°	A to 70° AB any conc to 180°	A to 70°	A to 70°
Amines (General)	NA	A to 85% to 160° AB to 200°	A	A to 70°	A to 70°	A	AB to 120°	NR **(OK Fluorinated/TEST)	NR	A	NR at 70°	NO DATA	NO DATA	NR at 70°	NR	AB to AC	A	NR at 70°	A to 70°	BC @ 70°
Ammonia (Anhydrous Liquid)	NH3 (7664-41-7)	A @ 100% to 140°	A to 40% to 165° A 40-100% to 212°	A to 200°	A	A (PTFE Encapsulated 316 Stainless St.)	A to 100% to 212°	A to 140°	A	A	NR at 70°	B @ 70°	C at 70°	NR at 70°	NR HIFLUOR AB to 70°	A to 140°	A (Black 550) AB (White 571 & 59	NR at 200°	A	BC 70-140° C @ 240°
Ammonia (Aqueous) (Ammonium Hydrate) (see also Ammonium Hydroxide) Ammonium Acetate	NH3 (7664-41-7)	A to 100% to 70° AB to 100% to 200°		A to 30% to 70° A to 10% to 200°	AB	A (PTFE Encapsulated 316 Stainless St.)	A to 185°	BC to 30% to 120° NR to 30% at 140°	A	A	A/NR 10-30% to 120°	B @ 70°	AB to 30% to 200°	NR 70-150°	AB 30% to 70° C 10% @ 104° HIFLUOR AB to 70°	A 100% to 212°	A	A at 38% to 200°	A to 70°	A to 70° C @ 70° (Dynamic)
Ammonium Bifluoride	C2H7NO2 (631-61-8) F2H5N	A@19% A 10% to 70°	A to 100% to 150° B/NR 6-10% @ 70-250	NO DATA	A	A	A to 102° AB to 180° A to 225°.	A to 122° NO DATA	A to 100% to 175°	A	A to 70° NR	NO DATA A to 120°	A sat'd to 122° NO DATA	A sat'd to 122° NO DATA	A to 140° B at 212° A to 100% to 140°	A to 140° B at 212° A to 140↑	A	A to 140° B at 176° AB to 140°	A to 70° A to 100% to 70°	AB to 70° C @ 70° (Dynamic) NO DATA
(Ammonium Hydrogen Fluoride) Ammonium Fluoride	(1341-49-7) NH4F	A to 25% to 175°	B45% C 35% @ 70° AB to 10% to 212°	NR	A	Δ	A 10 225 .	AC 25-100% to 120°	Δ	A°	NO DATA	NO DATA	NO DATA	NR at 70°	A to 100% to 140	B 212°	A	AB any conc to 104°	NO DATA	A to 70°
Ammonium Hydroxide	(12125-01-8) NH4OH	A 45% to 260°	NR > 10%	A to 200°	A to 212°	(PTFE Encapsulated 316 Stainless St.)	A to 225°	A to 25% to 160° AB to 100% to 140°	A to 200°	A	AB to 100% to 140°	B @ 70°	A to 100% to 200°	BC 5% at 70°	A46% to 70°	A to 160°	A	A to 38% to 200°	A to 70°	A to 70°
(Ammonia, Aqeous) Ammonium Sulfate	(1336-21-6) (NH4)2SO4	A@100% to 150° AB@100% to 200° A to 10% to boiling	A@100% to 150° A to 37% to 221°	A to 200°	A	(PTFE Encapsulated 316 Stainless St.) A	A 10% to 100°	A to 100% to 70°	A	A to 400°	B 100% 70-140°	A to 70°	A to 100% to 200°	NR 10-100% 70° NR 5% at 120° A to 100% to 200°	AB to 70° B 104-140° A to 70°	AB to 200°	A	A/NR conc to 140° A any con to 200°	A to 70°	A to 70°
(Dolamin) Amyl Alcohol	(7783-20-2) C5H12O	A sat. to 130° AB sat. to 200° A to 200°	AB 38-80% to 150° A sat'd to boiling A to 200°	A to 200°	A to 70°	(PTFE Encapsulated 316 Stainless St.) A	A to 180°	AB to 100% 120-180° A to 70°	A to 250°	A	AB fertilizer to 70° AB to 5% to 70° A to 140°	AB @ 120° B @ 70°	A to sat'd to boiling A to 200°	NR 10-100%boiling AB to 70°	AB to 212°	A @ 100% to 200°	A	A to 100% to 140°	A @ 100% to 70°	NR
Aqua Regia	(71-41-0) HCL-HNO3	NR	NR	NR	NR	A	C at 70 - 104°	NR	A to 100°	A	NR at 70°	NR	NR at 70°	NR at 70°	B to 185°	AB to 300° NR at 140°	AB to 70° (Black 55	AB to 100% to 180°		C/NR @ 70°
(NitroHydrochloric Acid) Benzene	(8007-56-5) C6H6	(Titanium: A to 70°) (Tantalum: A) AB @100% to 140°	A to 20% to 217°	A to 100°	A to 212°	(PTFE Encapsulated 316 Stainless St.) A to 500°	AB to 10% to 70°	**(OK Fluorinated/TEST) A at 10% to 70°	AB to 178° B a 212° A to 100% to 120°	A to 500°	A to 140°	NR	NR at 70°	NR at 70°	B to 158°	NR at 70°	A to 70°	NR at 70°	NR	NR at 70°
(Mineral Naphtha) (Benzol) Benzene Sulfonic Acid	(71-43-2) C18H30O3S	B to 100% to Boiling B to 212°	AB 20-100% to 200° AB to 40% to 212°	A to 200°	A/NR @ 70°	А	AB dilute to 140° AB to 100°	C/NR at 100% at 70° NR at 122° A to 120°	B at 100% at 120-140 at 100% at 140-158 A to 150°		C @ 70°	NO DATA	NR	NR	A	NR 10-100%@ 70°	A to 70°	NR 10-100%@ 70°	A to 70°	NR 10-100% @ 70°
Benzoic Acid	(68584-22-5) C7H6O2	A to 100% to 70°	A 40-60% to 275° A 45-100% to 70° B to 100% to 212°	A to 200°	A	A	AB to 10% to 180° A to 140°	A to 10% to 140° A to 180°	A	A	AB @ 70	B @ 70°	C 10-100% @ 70°	A @ 70°	A to 70°	B/NR @ 70°	A to 70°	NR	A to 70°	C/NR @ 70°
(Carboxybenzene) (Benzymethonic acid) BOE (Buffered Oxide Etch)	(65-85-0) N/A	AB to 100% 70-200° C 50% @ 212° A 45% to 260°	° NR	NR	NR	A	AB to 180° A	AC 25-100% to 120°	А	A°	C/NR @ 140° NO DATA	NO DATA	NR 10-100% @ 200° NO DATA	B 10-100% @120° NR 100% @ 200° NR	A to 140°	NR @ 140° AB	A	AB any conc to 104°	NO DATA	NR
(30-50% Ammonuim Flouride, 0.5-10% HF) Boric Acid (Orthoboric Acid Hydrogen Orthoborate)	BH303 (10043-35-3)	A	A to 140°	A to 200°	A to 212°	(PTFE Encapsulated 316 Stainless St.) A	A	**(OK Fluorinated/TEST) A to 150°	A to 175°	A	A to 5% to 70°	A to 70°	A to 200↑	A to 125°	A to 185°	A to 176°	A	A to 140°	A to 70°	A to 70°
(Orthoboric Acid, Hydrogen Orthoborate) Butyl Acetate (N-Butyl Acetate)	(10043-35-3) C6H12O2 (123-86-4)	А	AB > 140° A	A to 200°	A to 70°	A to 500°	NR	AC at 70° BC at 120°	A to 70° AB at 80-100°	A to 500°	AB to 70°	NO DATA	NR at 70°	NR at 70°	B > 185° NR at 70° Viton ETP, "B"	AB > 176° B at 70°	A	AB 140-200° NR at 70°	BC @ 70°	NR at 70°
Butyl Alcohol (N-Butyl Alcohol (N-Butanol)	(123-86-4) C4H100 (71-36-3)	A	A	A to 200°	A to 70°	A	AB to 100% to 180°	A to 150°	AB at 80-100° C at 104-120° AB to 120° NR @ 150°	A	A to 70° AB to 140°	NR	A to 200 (No Stress)	A to 200° (No Stress)	HIFLUOR A to 70° A to 70°	AB to 100°	A	A to 100% to 140° AB to 190°	B @ 70°	B @ 70° (Static) C @ 70° (Dynamic)
Butyric Acid (Butanoic Acid)	C4H8O2 (107-92-6)	A to 212°	A to 25% to 150° AB 25-100% to 200°	A to 200°	A to 70°	А	A to 150°	C to 80° @ 70° C/NR 80-100%	AB	А	B/NR 1-100% @ 70°	NR	B @ 70° < 1 KSI B @ 70-120°	AB to 70° NR	BC 20-100% @ 70°	C @ 70° (Dynamic) B to 140° (Static)	A to 70°	AB to 20% to 70° NR 30-100%	A to 70°	NR
Calcium Carbonate (Aglime)	CCaO3 (471-34-1)	B to 100% to Boiling	B 5-25% 150-212°	A to 150°	A to 70°	A to 500°	A to 248°	** (OK Fluorinated/TEST) A to 160°	A to 258° AB to 285°	A to 500°	A to 10% to 150° AB to 180°	NO DATA	NO DATA	C at 70-150°	HIFLUOR A to 70° A to 248°	A to 140°	A to 70°	A to 200°	A to 70°	A to 100% to 70°
Caprylic Acid	C8H16O2	NO DATA	NO DATA	NO DATA	A	A	A to 125°	BC @ 70 - 150°	A to 158°	A	NO DATA	NO DATA	NO DATA	NO DATA	AB to 140°	NO DATA	A	C @ 70°	NO DATA	NO DATA
(Octanoic Acid)	(124-07-2)						BC @ 250°		B/NR 175-285°											



				INTE	RPRETATION O	F TEST DATA (In 3	0 days to 1 year of ex		ted 08/10/2011)											
			Swel Linear	ling Volumetric	Loss of Ter	nsile Strength]	Description of Che	mical Attack		ļ Ţ		dete in this evide v	un anombied from 3	WARN		unnen Culiden nubli]
		Α	(Plastics) < 10%	(Elastomers) <= 15%	(Plastics) < 15%	(Elastomers) <=15%	Excellent, little or no			rioration	b	b) the Chemical R	esistance guide put	vas assembled from 3 blished by VICTREX, f der Products Compar	the manufacturer o	of PEEK™ and c) th	ne chemical manuf	acturers themselve	s. The table is to	
		B C	< 15% < 20%	<= 30% <= 50%	< 30% < 50%	<= 30% <= 60%	Good chemical resist Limited chemical res	tance, minor swellin sistance, moderate	ng, softening or d attack, condition	eterioration				CPC insists that all cus						
		NR NOTE: <u>All temp</u>	> 20% eratures are in de	> 50% grees Fahrenhe	> 50% <u>t</u> . Conversion: '	> 60% °C = (°F - 32)/1.8	Severe attack, not re	ecommended for us	e			.								_
CHEMICAL			SP	RING Mater	ials					COUPLING	Materials						SEAL	Materials		
	Formula	Hastelloy C				PTFE					Acetal/POM				FKM		FFKM (Chemraz [®] /		ТРО	
Name	(CAS #)	(276)	316 SS	PPS	PEEK™	Encapsulated 316SS (TESS)	Polypropylene	HDPE	PVDF	PTFE/PFA	(Celcon)	ABS	Polysulfone	Polycarbonate	(Viton®)	EPDM	Simriz [®] / Kalrez [®])	Buna	(Santoprene)	Silicone
Ceric Ammonium Nitrate (CAN)	CeH8N8O18 (16774-21-3)	NO DATA	NO DATA	NO DATA	A	A	NO DATA	**(OK Fluorinated/TEST NO DATA) NO DATA	А	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA
Chlorine (Anhydrous) (Dichlorine, Chlorinated water)	CL2 (7782-50-5)	A to 140° (to 10 ppm to 70°)	A to 70° (to 10 ppm to 70°)	NR	A to 10% to 70° NR Conc. @ 70°	A (PTFE Encapsulated 316 Stainless St.)	NR	A to 2% to 140° NR **(OK Fluorinated/TEST	A to 100% to 200° AB at 100% to 230° NR	А	NR at 10-100% at 70°	NR	NR at 70°	NR at 70°	C 400 ppm at 70°	B 400 ppm at 70° C 400 ppm at 104°	A to 70°	C sat'd at 70° NR 400 ppm at 70°	NR	NR at 70°
Chlorine Dioxide (Chlorine Peroxide) (CDG Solution 3000, 0.3% Sol., 3000 ppm)	CLO2 10049-04-4	A to 70° AB 15% to 175° C 8-10% @ 150°	A 4-5% to 36° NR 10-100% @ 70°	A	NR	A	NR 15-100% @ 70°	NR @ 70° **(OK Fluorinated/TEST	A to 70° (Stressed) B to 120° (Stressed) NR with UV Present	A	NO DATA	B @ 70°	NO DATA	NO DATA	AB to 8% @ 70° NR 15% @ 70° A 8% (HIFLUOR)	NR 8% @ 70°	A	NR 8% @ 70°	NR @ 70°	C/NR @ 70°
CLOROX [®] (5.25% Sodium Hypochlorite)	CLNaO		Í	A to 200° (13 months BC @ 200° (1 yr) C @ 70 (1 yr)	AB	A	A to 120° AB to 175° NR @ 212°	A to 150°	А	A	A to 0.03% to 140° NR 5%	BC @ 70°	A to 200°	A to 70°	A	AB to 140°	A	В	B @ 70°	AB to 70°
Citric Acid	C6H8O7 (77-92-9)	A to boiling	A to 50% B@100% 70-212°	A to 220°	A to 212°	A (PTFE Encapsulated	A	A to 100% to 160° AB to 100% at 180°	A	A	AB at 15% at 140-150° B at 15-100% at 70°	A 10% to 70° B 20% 2 70°	A to 100% to 150° A to 100% 10 70°	A to 100% to 70° B at 10-15% at 120°	A	A	A	A to 200° B at 212°	A to 70°	A to 200°
Copper Sulfate (Cupric Sulfate)	CuO4S (7758-98-7)	A to boiling	NR 60-100% >125° A to 100% to 160° A to 45% to 180° A to 10% to 2121°	A to 223°	A to 212°	316 Stainless St.) A (PTFE Encapsulated 316 Stainless St.)	A	A to 50% to 150° AB at 50-100% to 180°	A	A	C at 100% at 140-150° AB to 100% to 140°	A to 70°	A to 200°	C at 15% at 150° A to 100% to 70°	A to conc. to 176° AB to 212°	A to conc. to 176° AB to 212°	A	A to conc to 176° AB any conc to 212°	A 5% to 70° A sol'n to 70°	A to 200°
Corn Oil	NA	А	A 10 10/0 10 2121	A to 100°	A to 70°	A	A	А	A	А	AB	A to 70°	A	А	А	NR	A	A	A to 212°	A to 200°
Corn Syrup	NA	NO DATA	A	A to 100°	A to 70°	A	A	A to 150°	A	A	AB to 140°	AB to 70°	A	A	A	A	A	A	NO DATA	A to 200°
Cotton Seed Oil	NA	A	A	A to 200°	A	A	А	A to 140°	A	А	AB	NO DATA	A	A	A	A	A	A	AB to 70°	A to 200°
Cresol (M, O & P)	C14H16O2	AB to 200°	AB 100° A 100% to 140°	A to 200°	A to 70°	A	NR	AB to 50% C/NR 50-100% @ 70° **(OK Fluorinated/TEST	A to 150°	А	NR 50 - 100%	NR	NO DATA	NR	A to 104°	NR	А	C/NR	NR	C/NR
Cyanide Solutions (Hydrogen Cyanide, Formonitrile) (Hydrocyanic acid solution, <20%)	CHN (74-90-8)	A 50% to 70° B 100% to 224° A 100% to 140°	A 10% to 70° B 10% @ 212° A 100% to 140°	NO DATA	A tio 212°	A	A to 180°	A to 150° AB to 180°	A	А	NR	B @ 70°	B @ 70-200°	B @ 70°	A to 140°	A to 140°	A	AB to 140°	AB 100%	AC @ 70° NR @ 120°
Cyclohexanone (Cyclohexyl ketone)	C6H10O (108-94-1)	A to 100°	A to 100 to 100°	A to 200°	A to 70°	A to 500°	AB to 70° B at 70-100° NR at 120°	NR **(OK Fluorinated/TEST	AB to 122°	A to 500°	A to 70° AB to 140°	NR	NR at 70°	NR at 70°	NR at 70° HIFLUOR A to 70°	BC at 70°	AB at 70°	NR at 70°	NR	NR at 70°
Diacetone Alcohol (Dikeytone Alcohol, Pyranton)	C6H12O2 (143-42-2)	A to 140°	A @ 10% to 77% AB @ 100% to 480°	NO DATA	A	А	A to 104° B to 120° NR @ 150°	A to 122°	AB to 70° B @ 104-122° NR @ 160°	A	A to 70°	NO DATA	NO DATA	NO DATA	NR	A to 160° AB to 300°	A	NR	B @ 70°	B/NR @ 70° NR @ 158°
Dibutyl Phthalate (DBP)	C16H22O4 (84-74-2)	AB to 200°	AB to 150° AB @ 100% to 480°	A to 200°	A to 70°	A	AB to 185°	BC @ 70-140° NR >140° **(OK Fluorinated/TEST	AB to 70° B @ 100° C @ 140°	A	A to 70° AB to 140°	NR	AB to 185° NR @ 200°	NR	BC 70-104° (static) NR (dynamic) A Viton ETP	AB (static) C (dynamic)	A	NR	B @ 70°	B @ 70 (static) C (dynamic)
Dichloroacetic Acid (DCA)	CL2CHCO2H (79-43-6)	NO DATA	NO DATA	NO DATA	A to 100° NR >100°	A (PTFE Encapsulated 316 Stainless St.)	AB to 100% to 125°	BC at 70° **(OK Fluorinated/TEST	AB to 50% to 212° AB 100% to 125°	A	NO DATA	NO DATA	NO DATA	NO DATA	NR HIFLUOR A to 70°	NR	A	NR	NO DATA	NR
Dichloromethane (Methylene Dichloride)	CH2CL2 (75-09-2)	AB	A to 70°	A 100% to 70° A/NR 40% @ 100°	NR	A (PTFE Encapsulated 316 Stainless St.)	B/NR @ 70° C/NR @ 88-122°	NR **(OK Fluorinated/TEST)	AB to 100° to 100° B 100% 104 - 125°	A	A to 70°	NR	NR at 70°	NR at 70°	B @ 70°	BC to 130° NR @ 140°	A	NR at 70°	NR	NR
Diesel Fuel	N/A	A to 140° AB to 200°	A to 200°	A to 200°	A to 70°	A	AC @ 70° BC @ 120°	A to 70° BC @ 140°	AB to 125°	A	A to 150°	NO DATA	A to 200°	A to 200-	A (Low sulfur & #2) A (#2 & Ethanol) B (#2 & Methanol)	NR	A	A to 70° AB to 250°	C/NR	NR
Diethylene Glycol (Ethylene Diglycol, Carbitol, Glycol Ether)	C4H10O3 (111-46-6)	B 100% @ 70°	A	NO DATA	A 90% to 70°	A	A to 225°	A to 140°	A to 140°	A	A 90 - 100% to 70°	B @ 70°	B @ 70-122°	B @ 70°	A	A	A	A	A	B 70-200° C @ 70° (Dynamic)
Diethanolamine (DEA, Diolamine)	C4H11NO2 (111-42-2)	A	A	NO DATA	A to 120° B @ 150° NR > 150°	A	A 100% to 150° AB 100% to 225°	AB to 70°	NR	A	NO DATA	NO DATA	A to 70°	NO DATA	NR HIFLUOR B to 70°	AB 70-160°	A	NR	A to 70°	NR
Diisopropylether (Isopropylether)	C6H14O (108-20-3)	NO DATA	NO DATA	A to 70°	A	A	NR	B/NR at 70° NR at 140° **(OK Fluorinated/TEST	A 100% to 100°	A	A to 70°	NO DATA	NR	NR	NR	NR	A	B to 100% to 140° NR @ 200°	C/NR @ 70°	NR
Dimethyl Acetamide (DMAC)	C4H9NO (127-19-5)	A	A	NO DATA	A	A	AB to 125°F	A to 122°	NR	A	NO DATA	NO DATA	NR at 70°	NR at 70°	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	AB to 70° C @ 70° (Dynamic)
Dimethyl Sulfoxide (DMSO)	C2H6OS (67-68-5)	A	A	A to 200°	B @ 70-122°	A	A to 125°	A to 122°	NR	A	NR	NO DATA	NR	NR	NR A for "F Type" HIFLUOR A to 70°	A to 70°	A	NR	A	A to 70° (Static) C @ 70° (Dynamic)
Dioctyl Phthalate (DOP)	C24H38O4 (82208-43-3)	A to 100°	A @ 100% to 100° AB to 480°	A to 200°	A	A	NR	C/NR @ 70° NR @ 120° **(OK Fluorinated/TEST	AB to 70° BC @ 104°) C @ 104	A	A to 70°	NR NO DATA	A @ 100% to 70°	NR	NR HIFLUOR A to 70°	B 70-200° (static) C @ 70° (dynamic)	A	NR	NR	NR NO DATA
Dipropylene Glycol (Polypropylene Glycol) Dipropylene Glycol Methyl Ether	C6H14O3 (78644-49-2) C7H16O3	NO DATA	NO DATA	NO DATA	NO DATA	A	A to 125°	A to 122° AB to 150°	AB	A	A to 70°	NO DATA	B @ 70-122° NO DATA	B @ 70° C @ 122° NO DATA	A to 70°	A to 70°	A	A to 70°	A to 70°	NO DATA NO DATA
Dipropylene Glycol Methyl Ether (DPGME)	(83730-60-3)	NO DATA	NO DATA	NO DATA	NO DATA	A	AB to 150°	NO DATA A to 140°	AB to 75°	A	NO DATA	NO DATA		NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA NO DATA	AB to 70°
DI water (Deionized Water) (Ultra Pure Water, 17 megaohm +) Ethanolamine	H2O C2H7NO	A AB 100% to 200°	8 @ 12 - 18.2 megaohn A @ < 12 megaohm A to 100% to 212°	A to 200° A 100% to 200°	A A to 120°	A (PTFE Encapsulated 316 Stainless St.) A	A A 100% to 70°	A to 140° AB @ 70°	A	A	NO DATA	A to 70° NO DATA	A to 200° A to 200°	NO DATA NR	A to 70° AB to 200° NR	A to 70° AB to 200° A to 120°	A	A to 70° AB to 200° B to 100% 70-80°	NO DATA A to 70°	AB to 70° C @ 70° (Dynamic) B @ 70°
(ETA, 2-Aminoethanol)	(9007-33-4)				B > 120			B @ 122°							HIFLUOR AB @ 70°	B to 200°		NR @ 120°		NR @ 120° C @ 70° (Dynamic)
Ether	C4H100	A@100% to 200°	A@100% to 212°	A to 200°	A to 212°	A to 500°	NR	NR at 100% at 140°	AB to 94°	A	A to 70°	NR	NR at 70°	NR at 70°	NR	NR	A	NR at 70°	NR	NR



r		T		TNITE		E TEST DATA (In 2	0 days to 1 year of ex		ed 08/10/2011)		1									
			Sw	ellina		nsile Strength		posure)			-	r			MAD	NING:				-
			Linear (Plastics)	Volumetric (Elastomers)	(Plastics)	(Elastomers)		Description of Cher	nical Attack		-			as assembled from	3 main sources, a)	the Chemical Resis				
		A	< 10% < 15%	<= 15% <= 30%	< 15% < 30%	<=15% <= 30%	Excellent, little or no					be used as a gene	eral guide only. Col	lished by VICTREX, der Products Compa	ny is not responsib	le for the accuracy	of this data and a	ssumes no obligati	on of liability in	
		C	< 20%	<= 50%	< 50%	<= 60%	Good chemical resist Limited chemical res	istance, moderate a	attack, conditiona			connection with it before using the c	s use. Therefore, C couplings!	PC insists that all cu	stomers test and e	valuate the suitabil	ity for use of CPC	couplings in their p	particular application	1
		NR NOTE: <u>All temp</u>	> 20% peratures are in d	> 50% legrees Fahrenhe	> 50% it. Conversion:	> 60% °C = (°F - 32)/1.8	Severe attack, not re	ecommended for us	e			Ť								
CHEMICAL			S	PRING Mater	ials					COUPLING	Materials						SEAL	Materials		
						PTFE											FFKM			
Name	Formula (CAS #)	Hastelloy C (276)	316 SS	PPS	PEEK™	Encapsulated 316SS (TESS)	Polypropylene	HDPE	PVDF	PTFE/PFA	Acetal/POM (Celcon)	ABS	Polysulfone	Polycarbonate	FKM (Viton [®])	EPDM	(Chemraz [®] / Simriz [®] / Kalroz [®])	Buna	TPO (Santoprene)	Silicone
(Ethyl Ether) (Diethyl Oxide)	(60-29-7)	A to 56% to 171°						**(OK Fluorinated/TEST)	B @ 104° NR @ 140°		AB at 140°				HIFLUOR A to 70°					
Ethyl Acetate (Acetic Ether)	C4H8O2 (141-78-6)	A	A	A 100% to 100°	A to 70°	A (PTFE Encapsulated 316 Stainless St.)	A to 180°	BC at 100% at 70° C at 100% at 122° **(OK Fluorinated/TEST)	A to 70° B @ 100 - 122° NR @ 170°	A	A to 10% to 200° AB at 100% to 70° BC at 100% at 140°	AC @ 70°	NR at 70°	NR at 85-100% at 70°	NR HIFLUOR A to 70°	A @ 100% to 130°	A	NR at 70°	NR	B @ 70° NR @ 200° C @ 70° (Dynamic)
2 Ethoxy Ethyl Acetate (Ethoxyethanol Acetate)	C6H12O3 (111-15-9)	A	A	A	A to 70°	A	BC @ 70-120° NR @ 140°	AB to 122°	A	A	A to 70°	NO DATA	NR	NR	C/NR HIFLUOR AB to 70°	В	A	NR	C/NR	NR
Ethyl Alcohol (Ethanol/Grain Alcohol)) (Denatured Alcohol)	C2H5OH (64-17-5)	A to 100% to 212°	A to 100% to 200°	A	A to 212°	A (PTFE Encapsulated 316 Stainless St.)	A to 100% to 180°	A to 100% to 160°	A to 100% to 176° AB to 100% to 280°	A	A at 96-100% to 70° B at 100% at 120-180	AB to 70° ° (No stress)		A to 90% to 70° AB at 96-100% to 70° B at 40-100% at 120°	A to 70°	A to 200°	A	A to 140° B to 185°	A to 70°	AB to 200° C @ 70 (Dynamic)
Ethyl Benzene (Phynlethane)	C8H10 (110-41-4)	A to 240°	A to 100% to 70° AB to 100% to 70°	NO DATA	A	A	NR	BC @ 70-120° **(OK Fluorinated/TEST)	A to 140°	A	A to 70°	NO DATA	NR	NR	A	NR	A	NR	C @ 70°	NR
Ethyl Lactate (Acytol, Lactic Acid Ethyl Ester)	C5H10O3 (97-64-3)	A	В	A	A @ 70°	A	A to 122°	A to 122°	NR	A	NO DATA	NO DATA	C @ 70-122°	C @ 70° NR @ 122°	BC Viton ETP, A to 70° HIFLUOR A to 70°	A to 70	A	BC @ 70°	NO DATA	AB to 70°
Ethylene Giycol (Giycol Alcohol) (Prestone®)	HOCH2-CH2OH (107-21-1)	A 20-100%	A 40-100% to 200° A 100%	A to 200°	A to 212°	A (PTFE Encapsulated 316 Stainless St.)	A	A to 160°	A	A	A to 100% to 120° AB to 140° B at 180°	A to 70° B @ 140°	A to 100% to 200°	A to 160° B to 200°	A to 250°	A to 212°	A	A to 212°		А
Ethylene Glycol Mono Butyl Ether (Butyl Cellosolve)	C6h14O2 (111-76-2)	A to 200°	A to 200°	A to 200°	A	А	AB to 140°	B/NR@70° **(OK Fluorinated/TEST)	A to 104° NR @ 212°	A	AB to 70°	NO DATA	A to 70° BC @ 120°	NR	NR HIFLUOR A to 70°	A to 200°	A	C 70 - 150°	A to 70°	NR
Ethylene Oxide (EO, EtO, Oxiraine)	C2H4O (75-21-8)	A to 70°	AB to 200°	NR	A	A	C @ 70-120° NR @ 140°	BC @ 70°	A to 70° AB 100% 122-140°	A	A to 70°	NR	A to 300°	C @ 70° NR @ 125°	NR	B @ 12% @ 70° C/NR @ 70°	A	NR	A to 70°	NR
Ferric Sulfate (Sulfuric Acid)	Fe2O12S3 (10028-22-5)	A to 100% to 140°	A to 10% to 212° A 20-100% to 140°		А	A	A	A to 100% to 150°	A	A	B to 180°	A to 70° AB @ 120°	A to 100% to 200°	A to 70°	A to 176° B @ 212°	A to 176° AB to 200°	A	A to 140° AB to 200°	A to 70°	AB to 160°
Formaldehyde (Formalin)	CH2O (500-00-0)	A to 20% B 20-100% to 200°	Α.	A to 100% to 70° NR 37%@200°	А	A	А	A to 80° B @ 150°	A to 100% to 104° A to 37% AB 40-100% @ 140°	A	A to 70° AB to 40% 140-180°	A to 40% to 70° AB 40% @ 120°	AB to 100% to 70°	A to 100° AB to 100% @ 120°	A to 176° A to 37% to 212°	A to 120° A to 37% to 212°	A to 104°	A to 40% to 140° B @ 40% @ 212°	AB to 70°	B 40-100% @ 70° C @ 70 (Dynamic)
Formic Acid (Formylic Acid)	CH2O2 (64-18-6)	A to 100% to 200°	A to 5% AB 5 - 80% to 212° B 80 - 100% to 212°	° NR @ 37% @ 150°	AB to 10% to 70° BC 100% @ 70°	A (PTFE Encapsulated 316 Stainless St.)	A to 100% to 70° A to 40% to 104° C 100% @ 140°	A to 100% to 104° AB at 50-100% at 140-150 BC at 100% at 180°		A	NR at 3-100% at 70°	A to 10% to 70° NR @ 70°	A to 10% to 70° E at 10-50% at 70-120 C 98-100% at 70-120		AB to 50% to 104° NR 60-100% @ 70° (HIFLUOR A to 70°)	A to 200° A to 90% to 212°	В	B to 50% at 70° NR 50-100% at 70° NR at 100% at 140°	A to 70°	B @ 70° C @ 120°
FREON's (Refrigerants, General)	CH2FCF3 (R134a) (811-97-2)		A	A to 70°	A to 70°	A	AB (Wet) C/NR (Dry)	A/NR @ 70° A to 80° (R12) A to 70° (R22)	A to 212°	A	AB to 140° (Celcon)	NR	NR	NR	NR (HIFLUOR A to 70°)	AB (R12) A to 140° (R22) A to 70° (R134a)	A to 70°	C @ 70° (R12 Wet) NR (R22) A to 70° (R134a)	NR	NR
Gasoline (Petrol)	NA	A	A to 200°	A to 176°	A to 212°	A to 500°	NR at 70°	NR **(OK Fluorinated/TEST)	A to 275° AB to 285°	A to 500°	A to 70°	NR	A to 70°	C at 70°	A to 190°	NR at 70°	A to 70°	A/NR (Test for additives effect! FKM better)	C/NR	NR at 70°
Glycerin (Glycerol)	C3H8O3 (56-81-5)	A to 100% to 212° A @ 100% to 600°		A to 200°	A to 100% to 70°	A to 450°	A to 100% to 225°	A to 160° A to 150° AB to 180°	A to 100% to 275° AB at 100% at 285°	A to 450°	A to 140°	AB @ 70-140°	A at 100% to 200°	A to 125°	A to 250°	A to 176° AB to 200°	A to 70°	A to 250°	A to 70°	A to 70°
Glycol (polysorbate 80) (Polyoxyethylene Sorbitan Monooleate)	C32H60O10 (9005-65-6)	A 20-100%	A @ 100% to 70°	A to 200°	A to 212°	A	A	A to 150°	A	A	A to 120° AB to 140°	A to 70° B @ 140°	A to 200°	A to 160°	A to 70° AB to 400°	A to 70° AB to 300°	A to 70°	A to 70° A to 220°	AB to 70°	A to 70°
Glycolic Acid (Hydroxyacetic Acid)	C2H4O3 (79-14-1)	A	A to 225°	A to 200°	A to 212°	A	A to 100% to 180°	AB to 150°	A to 100% to 100° A to 65% to 212° NR 100% @ 176°	A	A to 70°	B @ 70°	NO DATA	NO DATA	A 10% to 140% HIFLUOR A to 70°	A to 70°	A	A to 100% @ 70° A to 70% to 140° NR @ 70° (dynamic)	A to 70°	AB to 70° C @ 70 (Dynamic)
Hexane (Dipropyl) (N-Hexane)	C6H14 (110-54-3)	A	A @ 100% to 200°	A to 200°	A to 70°	A (PTFE Encapsulated 316 Stainless St.)	BC @ 70-104° C @ 120-140° NR @ 140°	NR **(OK Fluorinated/TEST)	A	A	A to 70°	NR	A at 100% to 200°	A to 158° NR at 80-120°	A to 200°	NR	A	A to 70°	AC @ 70°	NR
HMDS (1,1,1,3,3,3-Hexamethyldisilazane) Bis(trimethylsilyl)amine	C6H19NSi2 (999-97-3)	NO DATA	NO DATA	NO DATA	NO DATA	A (PTFE Encapsulated 316 Stainless St.)	NO DATA	NO DATA	NO DATA	A	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	A	NO DATA	NO DATA	A
Honey	NA	A to 70°	A to 140°	NO DATA	A		A to 70° AB @ 180°	A to 140°	A	A	A to 70°	B @ 70°	NO DATA	A to 70°	A to 140°	A to 140°	NO DATA	A to 140°	A to 70°	A to 70°
Hydrazine (Diamine)	H4N2 (302-01-2)	A to 70°	A to 140°	NO DATA	A	A	NR 35-100% @ 70°	A to 70°	A	A	B @ 70°		NR	NR	A Aqueous to 70° NR HIFLUOR A to 70°	A to 100% @ 70°	B A 64% to 70°	AB 24% @ 70° BC 64 - 1005 @ 70% B Anhydrouse	A to 70°	B to 100% 70 -200°
Hydrobromic Acid (Hydrogen Bromide)	HBr (10035-10-6)	A@50% to 80° A@100% to 140° AB to 20% to 70°	NR	A to 37% to 100° A to 70°	NR	A (PTFE Encapsulated 316 Stainless St.)	A 20% to 225° A to 50% to 150° B Conc. to 185°	A to 20% to 160° A to 50% to 140° AB 50-100% at 70-150°	A dilute to 250° A to 37% to 70° A 38-100 to 275°	A	NR	NR 20% @ 70°	A to 20% to 300° B at 30% at 70°	NR at 30-100% at 70°	A to 140°	A to 200°	A	NR	B 30-100% @ 70°	
Hydrochloric Acid (Muriatic Acid = 30% HCL)	HCL (7647-01-0)	A to 40% to 140° NR 5-100% 175°	NR 3-100%	A to 10% to 200° C/NR 37-100%@70°	A to 212°	A (PTFE Encapsulated 316 Stainless St.)	A to 100% to 70° A to 36% to 150° A to 10% to 185°	A to 100% to 140° A to 40% to 160° AB to 40% to 150°	A to 38% to 194° A to 50% to 175° AB 40-70% to 70°	A	A to 10% to 70° NR at 30-100% at 70°	AB 10-50% to 70° BC 50-100% @ 70° NR 50-100% @ 150'		A to 10% to 200° AB at 20% at 70-200°	A to 100% to 70° A to 37% to 160°	A to 25% to 140° AB to 37% to 130° A to 10% to 176°	A	AB 20-37% to 70° AB to 15% to 150°	A to 70° AB to 37% to 150° C 37% @ 150°	AB to 20% to 125° C @ 37% @ 150° BC 50% @ 70°
Hydrofluoric Acid (Hydrogen Fluoride) (HF)	HF (7664-39-3)	A to 100% to 70° A@90% to 125°	A to 10% AB@16% to 120° NR 45-80%	A to 50% to 140° A to 35% to 200° NR > 50%	NR 4-100%@70°	A (PTFE Encapsulated 316 Stainless St.)	A to 50% to 140° A to 40% to 200° A to 30% to 225°	A to 60% to 140° A to 40% to 180° A to 30% to 160°	A to 100% to 212°	A	NR at 70°		A to 10% to 200° AB 25-38% at 70-200	A to 10% to 180° AB at 20% to 70° BC at 35% at 70°	A to 60% to 130° A to 50% to 176 A to 30% to 212°	A dilute to 212° AB to 60% to 130° AB to 65% to 70°	A	AB 10% to 70° C 20-30% to 130°	C 20-25% @ 70° NR 50-100% @ 70°	NR
Hydrogen Peroxide (Hydrogen Dioxide)	H2O2 (7722-84-1)	A to 100% to 75° A to 50% to 200°	A to 30% to 104° A 50-100% to 70°	A to 10 to 200° AB to 30% to 100° NR 50-100% @ 70°	A to 212°	A (PTFE Encapsulated 316 Stainless St.)	A to 80% to 70° A to 5% to 170° NR 30% > 125°	A to 30% to 140° AB at 30-90% to 120° AB at 30-100% to 70°	A to 200° A to 30% to 212°	A	NR at 4-100% at 70°	A to 10% to 70° NR 100% @ 70°	A to 100% to 70° A to 90% to 120° B at 30% at 180°	A to 100% to 125°	A to 104° A 50% to 200° AB @ 100% @ 160°	B 5% to 140° B 3-30% @ 70°	A (White 571 & 592) AB (Black 550)	B 3% at 70° BC 10% to 80°	A to 100% to 70°	A to 90% to 70° B @ 100% @ 70°
Hydroquinone	C6H6O2 (8027-09-2)	B @ 70°	AB to 100% to 70° A 5% to 120°	NO DATA	A (Low concentration)		A to 180°	A to 140°	A	A	A to 70°	NO DATA	NO DATA	NO DATA	В	B/NR 70-140°	AB	C/NR	A to 70°	B @ 70°
Hydroxyacetic Acid (Glycolic Acid)	C2H4O3 (79-14-1)	A	A to 225°	A to 200°	A to 212°	A	A to 100% to 180°	AB to 150°	A to 100% to 100° A to 65% to 212° NR 100% @ 176°	A	A to 70°	B @ 70°	NO DATA	NO DATA	A 10% to 140% A (HIFLUOR)	A to 70°	A	A to 100% @ 70° A to 70% to 140° NR @ 70° (dynamic)	A to 70°	AB to 70° C @ 70 (dynamic)
Iodine	I2 (7553-56-2)	A	A 9-10% to 72° NR >10%	NR	BC @ 70°	A (PTFE Encapsulated 316 Stainless St.)	A to 100% @ 75° AB to 100% @ 176°	A to 6.5% to 70°	A to 100% to 170° C 100% @ 212	A	A to 70° C/NR at 100% at 70°	NO DATA	NR	NR	A to 100% to 140°	AB to 160°	A	A 6.5% to 70° B to 140°	A to 70°	B (solutions @ 70°) C/NR @ 70°



Г				тит	ERPRETATION OF	TEST DATA (In 2)	D days to 1 year of ex		ed 08/10/2011)	1	-									
			Swe	elling		isile Strength]	posurej			Г				WAR	NING:				1
			Linear (Plastics)	Volumetric (Elastomers)	(Plastics)	(Elastomers)		Description of Cher						as assembled from 3 lished by VICTREX, t						
		A B	< 10% < 15%	<= 15% <= 30%	< 15% < 30%	<=15% <= 30%	Excellent, little or no Good chemical resist	ance, minor swellin	g, softening or d	leterioration				der Products Compar PC insists that all cus						
			< 20% > 20%	<= 50% > 50%	< 50% > 50%	<= 60% > 60%	Limited chemical res Severe attack, not re			al service	L	before using the (couplings							1
		NOTE: <u>All temp</u>				C = (°F - 32)/1.8					Matasiala						0541	M		
CHEMICAL			SP	PRING Mate	rials					COUPLING	Materials						SEAL FFKM	Materials		
Name	Formula (CAS #)	Hastelloy C (276)	316 SS	PPS	PEEK™	PTFE Encapsulated 316SS (TESS)	Polypropylene	HDPE	PVDF	PTFE/PFA	Acetal/POM (Celcon)	ABS	Polysulfone	Polycarbonate	FKM (Viton [®])	EPDM	(Chemraz [®] / Simriz [®] /	Buna	TPO (Santoprene)	Silicone
Iso Butyl Alcohol (Isobutanol, Isopropylcarbinol))	C4H100 (78-83-1)	A to 140°	A to 140° AB to 480°	A to 200°	A	A	A to 122°	A to 140°	A to 275°	A	A to 70°	NO DATA	A to 70° AB @ 122-200°	A to 70° AB @ 122-200°	A to 160° AB to 400°	A to 160° AB to 300°	A	C @ 70° (Dynamic) B to 160° (Static)	C/NR @ 70°	A to 160°
Isopropyl Acetate	C5H10O2 (108-21-4)	B @ 70°	A to 100% to 175°	NO DATA	A	A	AB to 100% @ 176° C @ 125°	A to 70°	A to 280°	А	A/NR @ 70°	NR @ 70°	C/NR @ 70°	NR	NR HIFLUOR A to 70°	AB to 160°	A	NR	B @ 70°	NR
Isopropyl Alcohol (IPA, Isopropanol, 2-Propanol)	(CH3)2CH-OH (67-63-0)	A@100% to 212° A@47% to 356° A@11% to 70°	A to 100% to 140° A@100% to 212°	A to 200°	A to 75°	A (PTFE Encapsulated 316 Stainless St.)	A to 225°	A to 160°	A to 150° AB to158°	А	A to 70°	A to 70° (No stress)	A to 122° AB at 185°	A to 125°	A to 170° B @212°	A to 160° B @176°	А	A to 70° B any conc to 130°	A to 70°	A to 160°
KEROSENE	NA	A@11%1070	A	AB to 200°	A to 70°	A A	AB to 80° BC @ 122°	C/NR @ 70° NR @ 100°	А	A	A to 180°	BC @ 70°	AB to 200°	A to 70° AC @ 122°	A to 158°	NR	A	A	NR	NR
Keytones (MEK, 2-Heptanone, MAK, etc.)	NA	A to 200°	A	A	A to 212°	A	NR @ 140° AB to 80°	**(OK Fluorinated/TEST) B @ 70°	NR	A	AB to 120°	NR	NR	NR	NR	A to 200°	A	A to 200°	NR	NR
Lactic Acid	C3H6O3 (50-21-5)	A to 85% to 125° B 65-100% to 212°	A to 75% to 120° A @ 100% to 120°	A	A	A	A to 100% to 150°	**(OK Fluorinated/TEST) A to 140°	A to 100% to 100° B 100% @ 120°	A	AC to 100% fr 70-140°	NR	A to 100% to 200° A to 60% to 300°	A to 100% to 70° AB to 100% @ 122-200°	A to 100% to 140° A to 80% to 176°	A to 100% to 140° A to 80% to 176°	A	A to 100% to 70° B 25-80%@104°	A to 70°	A to 70° B 140 - 200°
Limonene (D-Limonene / DL-Limonene)	C10H16 (138-86-3)	A to 70°	B 25 75% 125-212° A to 140°	NO DATA	A	A	B @ 70° C @ 122°	B @ 70° C @ 122°	AB to 80% A to 260°	A to 122°	NR @ 70°	NO DATA	C @ 70 - 122°	C @ 70 - 122°	A to 140°	NO DATA	NO DATA	C 25-80%@104° A to 140°	C @ 70°	NR @ 70°
(Orange Oil) Methane Sulfonic Acid (MSA)	(59-8927-5) CH4O3S (75-75-2)	NO DATA	NO DATA	NO DATA	NR	A	A to 125° NR @ 140°	**(OK Fluorinated/TEST) NR @ 70°	A to 200°	A	NO DATA	NO DATA	NO DATA	NO DATA	A to 70°	NR	A	A to 70°	NO DATA	AB to 70° (static) C (dynamic)
(Alkane Sulfonic Acid) Methoxy Butanol (3-Methoxy-1-Butanol)	C5H12O2 (2517-43-3)	NO DATA	NO DATA	NO DATA	A	A	NO DATA	**(OK Fluorinated/TEST) NO DATA	NO DATA	А	NO DATA	NO DATA	NO DATA	NO DATA	A to 70°	AB @ 70°	А	A to 70°	NO DATA	NO DATA
Methoxy Ethanol (Ethylene Glycol Monomethyl Ether)	C3H8O2 (109-86-4)	NO DATA	NO DATA	NO DATA	A	A	A to 122°	A to 122°	A to 122°	A	NO DATA	NO DATA	NR	NR	BC @ 70° NR (Dynamic)	A to 70°	A	BC @ 70° NR (Dynamic)	NO DATA	AB to 70° C @ 70° (Dynamic)
Methylacrylic Acid (Methacrylic Acid)	C4H6O2 (79-41-4)	A to 131°	A to 194° (liquid) A to 131° (vapor)	NO DATA	NO DATA	А	NO DATA	NO DATA	A to 125°	A	NO DATA	NO DATA	NO DATA	NO DATA	HIFLUOR A to 70° NR Viton ETP "A"	B @ 70°	A	NR	NO DATA	NR
Methyl Alcohol (Methanol, Wood Alcohol)	CH3OH (67-56-1)	A to 212°	A	A to 150°	A to 212°	A (PTFE Encapsulated	A to 70° BC 100 @ 180°	A to 100% to 122° AB at 100% at 140°	A to 148° AB 212-257°	A	A to 140° B at 180°	NR	A at 100% to 70° C at 100% at 120°	AB at 50% to 70° B at 70°	HIFLUOR A to 70° NR	A to 160° AB to 176°	A	A to 70° AB any conc to 150°	A to 70°	A to 100% to 70° A @ 100% to 158°
Methylene Chloride	CH2CL2 (75-09-2)	A	A to 100% to 200° A to 90% to 212°	A 100% to 70°	A to 70°	316 Stainless St.) A (PTFE Encapsulated	NR	B/NR at 100% at 150-180 NR	° AB to 100°	A	A to 70°	NR	NR at 100% at 200° NR at 100% at 70°	C at 122° NR at 70°	HIFLUOR A to 70° B @ 70°	BC to 130°	A	NR at 70°	NR @ 70°	NR
Methyl Ethyl Ketone (MEK)	C4H80 (78-93-3)	A to 200°	A to 200°	A to 100% to 70°	A to 212°	316 Stainless St.) A to 500°	A to 100% to 70° AB at 100% at 125°	**(OK Fluorinated/TEST) BNR @ 70-`122°	NR	A to 500°	A to 70° AB at 70-180°	NR	NR at 40-100% at 70	NR at 100% at 70°	NR at 70°	A to 140° AB to 240°	A to 70°	NR any conc at 70°	BC @ 70°	NR
MINNCARE [®] Cold Sterilant	H202	A	A	AB	A	A	AB at 100% at 122° A	**(OK Fluorinated/TEST) AC	AB	A	NR	В	A	A	HIFLUOR AB to 70° B	В	А	В	A	NR
(Hydr. Peroxide (24%), Peracetic acid (6%), Acetic acid (10%)) Mineral Oil (Pabu Oil Detrelatum)	C2H4O3 C2H4O2 NA	A to 200°	A	A	A to 70°	A	A to 100% B @ 104°	(Embrittles over time) **(OK Fluorinated/TEST) C @ 70°	A	A	A to 140°	AB to 70°	AB to 70°	A to 70°	A to 70°	NR	A	A	B/NR @ 70°	B @ 70°
(Baby Oil, Petrolatum) Mineral Spirits	(8012-59-1) NA (8052-41-2)	B @ 70°	A	A to 70°	A	A	C @ 120-140° NR	**(OK Fluorinated/TEST) C @ 70°	A	A	A to 70°	A/NR @ 70°	NR	B/NR @ 70°	A	NR	A	A	AB to 70°	C @ 70° (Dynamic) NR
(Petroleum Distillates, Dispersol) (Stoddard Solvent, Paint Thinner) Monoethanolamine	(8052-41-3) (64742-47-8) C2H7NO	A	A	A 100% to 200°	A to 110°	A	A 100% to 70°	**(OK Fluorinated/TEST) AB to 70°	NR	A	NR	NO DATA	A to 200°	NR	NR	B @ 70-80°	A	A to 120°	A to 70°	B @ 70°
(Aminoethanol, MEA) Motor Oil	(9007-33-4) N/A	A to 70°	A to 140°	A to 200°	B < 110° A	А	BC 100% 70-180°	B @ 122° **(OK Fluorinated/TEST) B/NR @ 70°	A	A	A to 160°	B @ 70°	A to 200°	A to 200°	A to 190°	NR 100 @ 120° NR	A	C @ 70° (dynamic) A to 190°	AB to 70°	NR @ 120° AB to 70°
N-Methyl 2-Pyrrolidone	NMP	A	A	A to 70°	A	A	C @ 120° NR @ 140° A	**(OK Fluorinated/TEST) A	C/NR @70°	A	NO DATA	NO DATA	NR at 70°	NO DATA	AB @ 70°	A to 70°	A	NO DATA	NO DATA	C @ 70° (Dynamic) NO DATA
(NMP) Naptha	CH3N(CH2)3CO (872-50-4)	A to 140°	A 100%	A	A	(PTFE Encapsulated 316 Stainless St.) A	A to 140°	NR	A	A	A to 70°	NR	B @ 70°	NO DATA	HIFLUOR A to 70° A	NR	A	AB to 250°	C/NR @ 70°	NR
(Coal Tar) Naptha	(8030-30-6)	AB to 200° A to 140°	A 96% to 170° A 60% to 70° A 100%	A	A	A	C @ 180° AB @ 70 - 150°	**(OK Fluorinated/TEST) BC @ 70°	A	A	A to 70°	B/NR @ 70°	AB to 140°	A to 70°	A	NR	A	AB to 250°	C/NR @ 70°	NR
(Heavy Aromatic Naptha Solvent) (Hans Solvent, Aromatic 100, Solvent Naptha) Napthalene	(64742-94-5) (64742-95-6) C10H8	AB to 200° A to 130°	A 96% to 170° A 60% to 70° A	A	A	A	C/NR @ 150 - 180° B @ 70°	B/NR @ 120° **(OK Fluorinated/TEST) B @ 70° (short duration)	A	A	A to 70°	NR	C @ 70°	NO DATA	A to 176°	NR	A	NR	BC @ 70°	NR
(Coal Tar Distillate) Nitric Acid	(91-20-3) HNO3	B @ 180° A to 99% to 130°	A to 100% to 120°	A to 30% to 100°	A to 30% to 70°	A	BC @ 70-140° NR @ 170° A to 50% to 104°	NR @ 70° (1 year) **(OK Fluorinated/TEST) A to 30% to 140°	A to 98% to 70°	A	AB @ 140° NR	B 5-20% @ 70°	A to 5% to 140°	A to 20% to 70°	A 50% to 140°	A to 25% to 70°	A	NR 0-100% at 70°	A to 10% to 70°	B Dilute @ 70°
(Hydrogen Nitrate) Oil, Corn	(7697-37-2) NA	A to 50% to 140° AB@10% to 185° A to 70°	A to 60% to 175° A to 50% to boiling A	AB to 40% to 80° NR 50-100% @ 70° A to 175°	A to 10% to 212° ° NR 50% @ 70° A to 140↑	(PTFE Encapsulated 316 Stainless St.) A to 140°	A to 30% to 180° A to 10% to 210° B/NR to 104°	AB at 50% to 70° BC 50-70% @70° AB to 70°	A to 90% to 140° A to 30% to 212° A	A	AB to 70°	NR @ 50% A to 70°	A to 40% to 70° B at 10% at 140° A to 70°	AB at 20-50% to 70° B to 10% at 120° A to 150°	A 90-100% to 158° AC 60-70% to 70° A to 140°	A to 10% to 104° B 25-30% to 140° NR	A	AB any conc to 150°	B 20% @ 70° C 50-70% @ 70° A to 212°	NR @ 70° (Fuming) A to 200°
OILS/LUBRICANTS, General	NA	A	A	AB to 70°	AB to 70° (SEA)	A to 70°	NR	A	A	A	A to 158°	в @ 70°	A	A to 70°	A to 158°	NR	A	A	NR	NR
Oil, Mineral	NA	A	A to 150°	AB to 70 NR @ 120° A to 100°	NR (Crude & Diester)	A 10 70	A to 100°	A to 140°	A	A	A to 140°	A to 70°	A to 200°	A to 70°	A to 70°	NR	A	A	B/NR @ 70°	B @ 70°
				C/NR @ 140-160	NR @ 100°	A .	C/NR @ 140°							B @ 120°-200°						
Oil, Olive	NA	A to 70°	А	A 100% to 176°	AB to 70°	A	B @ 70°	A to 150°	A	A	A to 150°	A to 70°	A to 73°	A to 150°	A to 176°	B @ 70°	A to 70°	A	B @ 70°	C @ 70° NR @ 250°



				INTE	RPRETATION O	F TEST DATA (In 30) days to 1 year of ex		ted 08/10/2011))										
			Swe		Loss of Ter	sile Strength									WAR					1
			Linear (Plastics) < 10%	Volumetric (Elastomers) <= 15%	(Plastics) < 15%	(Elastomers) <=15%	Excellent, little or no	Description of Che		rioration		b) the Chemical Re	esistance guide put	vas assembled from 3 plished by VICTREX,	the manufacturer	of PEEK™ and c) t	he chemical manufa	cturers themselve	es. The table is to	
		B	< 15% < 20%	<= 30% <= 50%	< 30% < 50%		Good chemical resist	ance, minor swellin	ng, softening or d	leterioration			s use. Therefore, C	der Products Compai CPC insists that all cu						
		NR NOTE: All temp	> 20%	> 50%	> 50%	> 60% PC = (°F - 32)/1.8	Severe attack, not re					before using the c	ouplingsl							4
CHEMICAL		North Artemp		RING Mater		0 - (1 52)/ 10				COUPLING	Materials						SEAL	laterials		
CHEMICAL			J			DTEE					Hatenais						FFKM			
Name	Formula (CAS #)	Hastelloy C (276)	316 SS	PPS	PEEK™	PTFE Encapsulated 316SS (TESS)	Polypropylene	HDPE	PVDF	PTFE/PFA	Acetal/POM (Celcon)	ABS	Polysulfone	Polycarbonate	FKM (Viton [®])	EPDM	(Chemraz [®] / Simriz [®] /	Buna	TPO (Santoprene)	Silicone
Oil, Vegetable	NA	A	A	A to 140° AB @ 160°	AC @ 70°	A	AC	A to 70°				C @ 70°			A to 200°	AC to 200°	A	A to 200°	BC @ 70°	AB to 70° B @ 200°
Oxalic Acid (Ethanedioic Acid)	C2H2O4 (144-62-7)	A to 100% to 140° A to 50% to Boil B 60-100% to Boil	A to 50% to 100° A 20-50 to 125° B 60-90% @ 70°	A	A	A (PTFE Encapsulated 316 Stainless St.)	A to 100% to 140° A to 50% to 180°	A to 100% to 160° AB to 100% to 180° NR at 100% at 212°	A to 100% to 125° A to 60% to 212° B @ 100% @ 158°	A	C at 5% at 70-150° C at 10% at 70°	A to 70°	A to 100% to 70° AB at 5% to 180°	A to 10% to 70° B at 70°	A to 100% to 140° A to 50% to 176°	A	A	AB to 100% to 140° NR 10% boiling	° A to 70°	B 70-250° C @ 70° (Dynamic)
Ozone (trioxygen)	03 (10028-15-6)	A@2% to 140°	A to 70° A@2% to 140°	NO DATA	A to 212°	A (PTFE Encapsulated 316 Stainless St.)	NR	AB weak conc. At 70° C sat'd in H2O at 70° NR at 2-100% at 105°	A	A	NR	B @ 70°	A to 122°	AB 10 ppm in H2O at 70 NR 1-100% at 70°	0° A to sat. to 70° NR sat @ 140°	A to sat. to 70° NR sat. @ 140	AB (Black 550)	NR 2% to sat'd at 70	• A to 70°	A
Paraffin	NA	A	A	A to 70°	A to 212°	A	A to 140°	C/NR @ 70° **(OK Fluorinated/TEST)	A to 260°	A	A to 70°	AB	NO DATA	A to 70°	A to 400°	NR sat. @ 140	A to 70°	A to 250°	A to 70°	B to 250° C @ 70° (Emulsions)
Pelargonic Acid (Nonanoic Acid)	C9H18O2 (112-05-0)	NO DATA	AB	AB	A	A	AB to 100°	AB	AB to 100°	A	NO DATA	NO DATA	NO DATA	NO DATA	B to 70° Viton ETP A to 70° HI FLOUR A to 70°	NO DATA	A to 70°	A to 70°	NO DATA	NO DATA
Peracetic Acid (Peroxyacetic Acid, POAA) Phenol	C2H4O3 (79-21-0) C6H6O	A	A	A A to 100°	A A Dilute to 70°	A	AC 40% @ 70° A to 104°	AC/NR (Embrittles over time) **(OK Fluorinated/TEST) A to 5% to 70°	AB to 40% to 70° A to 100% to 158°	A	NR	NO DATA	NO DATA A to 5% to 70°	NR A to 5% @ 70°	A to 1% @ 70° C @ 100% @ 70° HIFLUOR A to 70° A to 140°	A 1 & 100% @ 70° B 10% @ 70° NR 5 - 100%	A to 70°	C 100% @ 70° NR 1-10% @ 70° NR	NO DATA	B 100% @ 70° NR 1-10% @ 70° NR
(Carbolic Acid) Phosphoric Acid	(108-95-2) H3PO4	A to 200°	A to 40% to 240°	A to 100 C @ 100% @ 200° A	NR 75-100% @ 70° Dissolves @ 75% A to 212°	A	A to 130° A to 185°	A to 3% to 70° AB 70-85% @ 70° NR 90-100% @ 70° A to 100% to 140°	A to 100% to 158	A	C at 0.3-10% at 70°	AB to 40% to 70°	A to 3% to 70° NR 100% @ 70° A to 100% to 200°	A to 100% to 70°	A to 140°	A to 130°	A	A to 10% to 104°	A to 45% @ 70°	NR
Phosphorous Oxychloride	(7664-38-2) CL3OP	A to 50% to boiling	A to 70% to 150° B (Dilute) @ 300°	NO DATA	A to 212°	(PTFE Encapsulated 316 Stainless St.) A	A to 75% to 225°	A to 75% to 160° AB to 90% at 160-180° NR	A 85% to 230°	A	NR at 10-100% at 70° NO DATA	B 40% @ 70° C 50-100% @ 70° NO DATA	A to 85% to 250° NR at 85% at 300° NO DATA	A to 25% to 158° B at 85% at 120° NO DATA	A to 85% to 176° A 75% to 212° A to 70°	A to 85% to 176° B to 30% to 212° NR	A	AB to 50% to 104° AB 30% to 104° NR	B 45 @ 70↑8 C 50-100% @ 70 NO DATA	NO DATA
(Phosphoryl Chloride) Phosphorous Trichloride	(10025-87-3) CL3P	A	NR @ 100% to 160°	A to 100% to 200°	A	A	B/NR @ 70°	**(OK Fluorinated/TEST) A to 100% to 150°	A	A	AB to 180°	NR	NO DATA	NR	A to 70°	A to 70°	A	NR	NO DATA	NO DATA
(PICI) Piranha	(7719-12-2) N/A	A	NR	AB	NR	A	A to 90% to 104°	A to 75% to 70°	A to 98% to 120°	A	NR	NR	NR	NR	A	NR	A	NR	A	NR
(3:1 Mixture of Concentrated Sulfuric Acid & 30% Hydrogen Peroxide) Plating Solution, General	N/A	A to 70°	A to 140°	A to 70°	Generally OK	A	A	BC 96-98% @ 70-120° **(OK Fluorinated/TEST) A to 140°	A	A	A to 100°	NO DATA	NO DATA	NO DATA	A to 70°	A to 70°	A	A to 70°	A to 70°	NR
Plating Solution, Cadmium	N/A	A to 90°, Cyanide	A to 140°	A to 70°	(Etching Solution may affect, test) Generally OK	А	А	A	A	A	A to 90, Cyanide	NO DATA	NO DATA	NO DATA	A to 140°	A to 70°	A	A to 140°	NO DATA	NR
Plating Solution, Chrome	N/A	A/NR @100°, Fluob.	A to 70°	A to 70°	(Etching Solution may affect, test) Generally OK	A	AC to 70°	A	A	A	C @ 100°, Fluoborate B/NR @ 70°	C/NR @ 70°	NO DATA	A to 70°	A to 140°	A to 70°	A	NR	NO DATA	NR
Plating Solution, Copper	N/A	NR @ 90°, Barrel NR @ 115°, Black A to 120°	NR @ 95°, Barrel A to 70°, Barrel A to 120°, Copper	A to 70°	(Etching Solution may affect, test) Generally OK (Etching Solution	A	C @ 95° (Barrel) A	A	A	A	NR, Electroless A to 120°, Strike	NO DATA	NO DATA	NO DATA	A to 200°	A to 140°	A	A to 140°	NO DATA	NR
Plating Solution, Nickel	N/A	A to 140°	A to 120°, Cyanide A to 70° A, Cyanide	A to 70°	may affect, test) Generally OK (Etching Solution	A	A	A	A	A	A to 70°Sulfate NO DATA	NO DATA	NO DATA	NO DATA	A to 70°	A to 140°	A	A to 140° NR @ 70°, Electroles	NO DATA	NR
Plating Solution, Tin	N/A	A to 125°	C @ 70°, Sulfamate A to 70° C 100-125°, Fluoborate	A to 70°	may affect, test) Generally OK (Etching Solution	A	A	A to 180°	A	A	NO DATA	NO DATA	NO DATA	NO DATA	A to 140°	A to 104° B @ 140°	A	AB to 140°	NO DATA	NO DATA
Plating Solution, Zinc	N/A	A to 70°, Alk-Cyanide A top 150°, Cyanide	A to 70°, Fluoborate	A to 70°	may affect, test) Generally OK (Etching Solution	A		A to 150°	A	A	NO DATA	NO DATA	NO DATA	NO DATA	A to 140°	A to 70°	A	A to 140°	NO DATA	NO DATA
Polyethylene Glycol (PEG, Carbowax)	C2H6O2 (71767-64-1)	NR @ 140°, Chloride A	NR, Acid A (Short Term) B (Long Term)	NO DATA	may affect, test) A	A	A to 140° AB to 180°	AB to 70°	A to 250°	A	A to 70°Sulfate	NO DATA	NO DATA	A to 70°	A to 212°	A to 176°	A	A to 70° C @ 70° (dynamic)	NO DATA	NO DATA
Potassium Borate (Potassium Metaborate)	BKO2 (20786-60-1)	NO DATA	NO DATA	NO DATA	A	A	A to 180°	A to 150°	A	A	NO DATA	NO DATA	A to 70°	NO DATA	A to 212°	A to 100% @ 212°	A (Aqeuous Sol to 70°)	AB 70-140° NR @ 176°	NO DATA	NO DATA
Potassium Carbonate (Carbonic Acid) (Potash)	CK2O3 (584-08-7)	A to 90% to 212° AB@100% to 140°	A to 17% to 240° AB 20- 100% to boil	A to 100% to 200°	A at 60-100% to 70°	A to 100% to 500°	A to 225°	A to 160° AB at 180°	A to 100% to 275° AB to 100% at 285°		A at 60-100% to 180°	A to 70°	A to 200°	A at 5% to 70° NR at 70°	A to 212°	A to 176° AB to 200°	A aqueous sol'n to 70°	A to 200° A to 180°	A to 70°	A to 200° C @ 70° (dynamic)
Potassium Chlorate (Chloric Acid) (Potassium Salt)	CLKO3 (3811-04-9)	B 30-60% 125-212° B to 60%@212° AB @ 100%	A	A	A	A	A to 100% to 180°	A to 100% to 160°	A	A	A to 10% to 70° AB to 100% to 180°	NR	A to 100% to 200°	A to 70°°	A to 140° AB to 200°	A to 130° AB to 140-200°	A	A to 70° AC to 130°	A to 70°	AB to 125° C @ 70° (dynamic)
Potassium Chloride (Salt Substitute)	CLK (7447-40-7)	A to 10% A 10-30% to 125° AB @ 100%	A to 32% to 180° AB 40-100% to 150°	A	A	A	A to 100% to 180°	A to 100% to 160°	A	A	A to 100% to 140° AB to 100% @ 180°	A to 100% to 70°	A to 100% to 200°	A to 100% to 120°	A to 212°	A to 176° AB to 212°	A	A to 176° B @ 212°	A to 70°	A to 100% to 200°
Potassium Hydroxide (Caustic Potash)	KOH (1310-58-3)	A to 50% to 200° AB@100% to 185°	A to 100% to 70° A to 70% to 150°	A to 200° A to 50% to 268°	A to 212°	A (PTFE Encapsulated 316 Stainless St.)	A A 70% to 185°	A to 100% to 160° AB to 100% at 180°	*A to 25% to 140° A to 10% to 280° A 60-100% to 212°	A	B to 100% to 180°	A to 30% to 70° AB to 100% to 70°	A to 100% to 200°	C at 1% at 70° NR at 1% at 125° NR at 5-100% at 70°	AB to 70° AB to 70% to 140° A 5% to 150°	A to 200° B 25% @ 212	A (Black 550) AB (White 571 & 592)	A to 5% to 150° AB to 150°	A to 70°	AB @ 1% to 70° C 10-100% 70-200° NR (Dynamic)
Potassium Permanganate	KMN04 (7722-64-7) HKO3SI	A to 50% to 75° AB@100% to 200° B to 30% 75-212°	A to 25% to 70° AB to 100% to 100° A@100% to 130° AB	A to 200°	A to 75°	A (PTFE Encapsulated 316 Stainless St.)	A to 100% to 70° A to 25% to 140° A to 10% to 180°	A to 100 % to 160° A to 10% to 180° AB at 20% to 180°	A to 275°		A to 10% to 140° NR conc100% at 70°	B @ 70°	A to 200°	A to 100% to 200°	A to 140°	A to 200°	A	AC to 150°	A to 70°	B @ 70° C @ 70° (Dynamic)
Potassium Silicate (potassium hydroxy-oxido-oxosilane) Potassium Sulfite	(1312-76-1) K2SO3	NO DATA A @ 100% to 70°	AB AB to 100% to 100°	NO DATA A to 70°	NO DATA	A	A to 70° A to 100% to 140°	A to 70°	A to 275° A to 212°	A	B @ 70° AB to 70°	NO DATA	NO DATA A to 70°	NO DATA	A to 160° A to 210°	A to 160° A to 200°	A	A to 160° A to 100% to 80°	A to 70° NO DATA	A to 160° A to 70°
(Sulfurous Acid)	(10117-38-1)	A @ 50% to 280°	A @ 100% to 70°			A		A										AB to 100% to 150%	6	
Propanol	C3H8O	A to 200°	A	А	A	A	A to 140°	A to 150°	A to 100% to 150°	A	A to 70°	NO DATA	AB to 185°	A to 125°	A to 212°	A to 200°	А	A	A to 120°	A to 200°



F		1				TEST DATA (Tr 2)	0 days to 1 year of ex		ed 08/10/2011)											
			0				U days to 1 year of ex	posure)			1									7
			Linear	Volumetric		sile Strength		Description of Cher	nical Attack		-			as assembled from 3	3 main sources, a)					
		A	(Plastics) < 10%	(Elastomers) <= 15%	(Plastics) < 15%	(Elastomers) <=15%	Excellent, little or no	swelling, softening	or surface deter	rioration				lished by VICTREX, t der Products Compar						
		B C	< 15% < 20%	<= 30% <= 50%	< 30% < 50%	<= 30% <= 60%	Good chemical resist Limited chemical res							PC insists that all cus						
		NR NOTE: All temp	> 20% eratures are in de	> 50% egrees Fahrenhei	> 50% it. Conversion: °	> 60% C = (°F - 32)/1.8	Severe attack, not re	commended for use	2			..								_
CHEMICAL				PRING Mater	_	- (,,				COUPLING	Matoriale						SEAL	laterials		
CHEMICAL			3							COOPLING							FFKM			
Name	Formula (CAS #)	Hastelloy C (276)	316 SS	PPS	PEEK™	PTFE Encapsulated 316SS (TESS)	Polypropylene	HDPE	PVDF	PTFE/PFA	Acetal/POM (Celcon)	ABS	Polysulfone	Polycarbonate	FKM (Viton [®])	EPDM	(Chemraz [®] / Simriz [®] /	Buna	TPO (Santoprene)	Silicone
(Propyl Alcohol) (Rubbing Alcohol)	(67-63-0)																Kalroz V			
Propionic Acid	C3H6O2	А	А	NO DATA	A to 212°	А	A 100% to 70°	AB to 70°	A 100% to 280°	A	NR	NR	B @ 70-122°	A to 20% to 70°	A @ 50% to 100°	A to 100% to 200°	А	AC Sat 70-200°	A to 70°	B @ 70°
(Propanoic Acid Nitrile)	(79-09-4)							C @ 122° **(OK Fluorinated/TEST)						NR 100% @ 70°	NR 100% @ 70°			NR 50% @ 70°		C @ 70°, dynamic
Propylene Glycol (PG-12)	C3H8O2 (57-55-6)	B@100% @ 70°	A to 30% A@80-90% A@60%	A to 70°	A	A to 500°	AB to 160°	A to 140° AB at 180°	A to 275° AB at 280°	A to 500°	A to 70°	A to 70°	B at 70-122°	BC at 70° C/NR at 122°	A to 140°	A to 70°	A to 70°	A to 250°	AB to 70°	A to 250° C @ 70° (Dynamic)
Propylene Glycol Monomethyl Ether Acetate (PGMEA)	C6H12O3 (108-65-6)	A	A@60%	A	В	А	A to 140°	А	AB	A	A to 70° AB to 140°	A to 70°	NO DATA	NO DATA	NR	A 50% to 70°	A	NO DATA	AB to 70°	NO DATA
Propylene Glycol Monomethyl Ether (PGME, Dowtherm 209 / Dowanol PM)	C4H10O2 (107-98-2)	А	A	A	В	A	A to 140° AB to 150°	A	AB	A	A to 70 AB to 140°	A to 70°	NO DATA	NO DATA	NR	A 50% to 70°	A	NO DATA	AB to 70°	NO DATA
2 Propanone (Hexachloroacetone)	C3Cl60 (116-16-5)	NO DATA	NO DATA	A to 200°	A to 212°	Α	A	C @ 70° NR @ 140° **(OK Fluorinated/TEST)	A to 10% to 122° AB 50% @ 77°	A	B @ 100% @ 70° NR @ 140°	B !0% @ 70° NR 50 - 100%	A to 20% to 70° NR 100% @ 70°	NR	C 10% @ 70-104° NR 20-100% @ 70°	A to 200°	A	NR 50 - 100%	A to 70°	B/NR @ 70°
Propylene Oxide (Methyle Ethylene Oxide)	C3H6O (75-56-9)	A to 70°	A to 140°	NO DATA	A	А	A to 70° AB @ 125°	A to 122° AB @ 140°	NR @ 100% @ 70°	A	NO DATA	NO DATA	B @ 70 -122°	NR	NR HIFLUOR A to 70°	B to 120°	А	NR	A to 120°	NR
Pyridine (Azine)	C5H5N (110-86-1)	A to 100% to 100° A@100% to 140°	A to 100% to 212°	A to 200°	A to 212°	A (PTFE Encapsulated 316 Stainless St.)	A to 100% to 75° AB 100% 120-180° NR 100% @ 120°	BC at 70° C at 140° **(OK Fluorinated/TEST)	NR	A	AB to 70°	NO DATA	AB to 50% to 70° NR at 70°	NR at 70°	HIFLUOR A to 70°	B to 160°	А	NR at 70°	AC 70-120°	NR
Sodium Bicarbonate (Baking Soda)	CHNaO3 (144-55-8)	A to 100% to 150° AB to 20% to boiling	A to 100% to 150° A to 20% to 212°	A to 100% to 300°	A to 250°	A to 100% to 500°	A to 225°	A to 160° AB at 180°	A to 100% to 275° AB to 100% at 285°	A to 100% to 500°	A to 200°	A to 100% to 70°	A to 100% to 70°	A to 100% to 200°	A to 212°	A to 176° B at 212°	A to 70°	A to 140° AB to 200°	A to 70°	A to 70°
Sodium Bisulfate (Sodium Disulfate) (Sulfuric Acid Disodium Salt)	H2NAO4S (7757-82-6)	AB to 20% to 180° B to 140° C 25-100% 175-212°	A to 13% to 160° AB 20-100% to 150°	A to 200°	A to 70°	А	A to 180°	A to 150°	A	A	A to 5% to 70° AB to 180°	A to 70°	A to 200°	A to 70°	A to 212°	A to 176° AB to 200°	А	A to 70° AB to 200°	A to 70°	A to 200°
Sodium Bisulfite (Sodium Disulfite) (Sulfurous Acid Disodium Salt)	HNAO3S (7631-90-5)	A to 6% to 70° B 10-40% to 212°	A to 100° A to 20% to 180° C 30-50% 125-212°	A to 200°	A to 70°	A	A to 180°	A to 150°	A	A	NR 5-100% @ 70°	A to 70°	A to 70°	A to 70°	A to 212°	A to 176° B 100% @ 212°	A	A to 160° B 100% @ 212°	A to 70°	A to 200°
Sodium Carbonate (Soda Ash)	CNa2O3 (497-19-8)	A to 100% to 212°	A to 100% to 212°	A to 100% to 300°	A to 100% to 212°	A to 100% to 500°	A to 100% to 225°	A to 100% to 160° AB to 100% at 180°	A to 100% to 275° AB to 100% at 285°	A to 100% to 500°	A to 100% to 140° A to 20% to 180°	AB to 100% to 70°	A to 100% to 200°	A to 100% to 200°	A to 212°	A to 176° B at 212°	A to 70°	A to 100% to 160° AB to 100% to 200°	A to 70°	A to 200°
Sodium Chloride (Salt)	CINa (7647-14-5)	A to 100% to 176°	A to 16% to 212° A 25 - 80% to 160° A@100% to 212°	A	A	А	А	A to 100% to 160°	A	A	A to 100% to 70° AB to 100% 150-180°	A to 100% to70°	A to 100% to 200°	A to 100% to 120°	A to 100% to 212°	A to 100% to 176°	A to 70°	A to 160°	A to 100% to 120°	A to 70°
Sodium Chlorite (Sodium Salt)	CINaO2 (7758-19-2)	NO DATA	NO DATA	AB	A	A	A to 100% to 70° A to 50% 100° AB to 100% @ 200°	A to 140°	A	A	NO DATA	NO DATA	A to 70°	NO DATA	A to 70°	A to 70°	A	NR	A to 70°	B @ 70° C @ 70° (Dynanic)
Sodium Citrate (Trisodium Citrate)	C5H5Na3O7 (8055-55-8)	A sat'd to 100° B to 50% @ 70°	A to 140° B to 40% @ 212°	NO DATA	A to 70°	A	A to 70°	A to 70°	A to 140°	А	A to 70°	NO DATA	A to 70°	NO DATA	C @ 70°	A to 70°	A	NR	NO DATA	B @ 70° C @ 70° (Dynanic)
Sodium Hydroxide (Caustic Soda)	NaOH (1310-73-2)	AB 50-80% to 170°	AB 20- 70% to 212° AB 70-100% to 125°	A to 20% to 200°	A to 54% to 392°	(PTFE Encapsulated 316 Stainless St.)	A to 70% to 225°	A to 100% to 140° A to 70% to 160° AB to 100% at 180°	A to 20% to 104° B 50% @ 100-120°		AB at 60-80% to 180° BC at 80-100% at 70°	AB to 100% to 70° B 10-50% @ 70-180°	A to 20% to 200° AB to 50% to 250°	A to 15% to 200° C at 25% at 70-120°	B 80% @140°	B 20% @ 212°	A (Black 550) AB (White 571 & 592)	A to 50% to 176°	A to 100% to 70°	A @ 20% to 212° B 50% 70-212°
Sodium Hypochlorite (Bleach)	CLNaO (7681-52-9) (10022-70-5)	A to 50% to 115° A to 20% to 140° AB@100% to 200	Generally NR A to 6% to 160° A sat'd to 200°	BC 5% to 200°	AB to 100%	A (PTFE Encapsulated 316 Stainless St.)	A to 100% to 70° A to 5% to 120° C 12-13%>70°, NR @104°	A to 100% to 160° AB to 100% at 180°	A to 17% AB to 100%	A	NR at 10-100% at 70°	 BC to 10% to 70° C @ 5% @ 70° NR @ 70° 	A to 100% to 200° A to 17% to 300°	A to 10% to 70° AB to 100% to 70° C at 15% at 125-150°	AB to 100% to 130 BC 20% @ 158°	 A to 14% to 122° AB 20-100% to 130 	A	NR	A to 20% to 70°	A to 5% to 70° B 5-100% @ 70° C @ 70° (Dynamic)
Sodium Metasilicate (Silicic Acid)	Na2O3Si (68-34-0)	A to 100% to 212°	A	NO DATA	A	A	A to 180° B @ 212°	A	A	А	B @ 70°	NO DATA	A	NO DATA	A	A to 176° B @ 212°	A	A to 180°	A to 70°	AB to 70° C @ 70° (Dynamic)
Sodium Silicate (Water glass) (Silicic Acid Sodium Salt)	Na404Si (1344-09-8)	A to 140°	A to 212°	A	A	A	A to 180°	A to 150°	A	A	AB to 70°	NO DATA	A to 200°	NO DATA	A to 212°	A to 176°	A	A to 140°	A to 70°	A to 70°
Sodium Sulfide (Sodium Monosulfide)	Na2S (1313-82-2)	A to 25% to 70° A to 20% to 125° A @ 100% to 130°	AB 20-30% to 175° AB @ 100%	A	A	А	A to 100% to 180°	AB to 100% to 150°	A	A	A to 70°	A to 70°	A to 200°	A to 200°	A to 70°	A to 100% to 200°	А	A to 100% to 140°	A to 100% to 70°	A to 100% to 70°
Sodium Sulfite (Disodium Sulfite) (Sulfurous Acid)	Na2O3S (7757-83-7)	A 20-100% to 130° A to 5% to 100° B to 30% to 212°	A to 100% to 70° AB to 30% to 175°	A to 70°	A	А	A	A to 140°	A	A	A to 70° A to 10% to 150°	AB to 70°	A Solution to 70°	A/NR @ 70°	A to 100% to 140°	A to 100% to 140° AB to 100% to 200°	A	A to 100% to 70° AB to 100% to 200°	A to 70%	A to 100% to 70°
Sodium Tripolyphosphate	Na5O10P3 (7758-29-4)	NO DATA	A to 100% to 120° A 16-50% to 175°	NO DATA	A	A	A to 175°	A to 140°	A	A	NO DATA	NO DATA	A to 70°	NO DATA	AB to 70°	AB to 70°	A	A to 70°	NO DATA	B @ 70° C @ 70° (Dynamic)
Soybean Oil	No Formula	A	A	A	A	А	A	А	A	A	A	B @ 70°	NO DATA	А	A	NR	A	A	B @ 70°	A
STERIS® CIP 100 (Potassium Hydroxide & Tetrasodium EDTA)	Alkaline Cleaner KOH & C10H12N2Na4O8	A to 200°	A to 150°	A	A to 212°	A	А	NO DATA	A to 140°	A	NO DATA	A to 30% to 70° AB to 100% to 70°	NO DATA	NO DATA	AB to 140°	A to 200°	A (Black 550) AB (White 571 & 592)		A	NO DATA
STERIS® CIP 200 (Phosphoric Acid & Citric Acid)	Acid Cleaner H3PO4 C6H8O7	A to 200°	A to 150°	A to 220°	A	A	A	A	A	A	C	B	A	B	A	A to 176°	A	AB to 104°	A to 70°	NR
Sulfamic Acid (Aminosulfonic Acid)	H3NO3S (7773-06-0)	B @ 10%	NR @ 10% @ 70° A @ 20% to 70° A @ 100% to 70°	NO DATA	NR	A	A to 180°	A to 150°	A to 200°	A	NO DATA	NO DATA	NO DATA	NO DATA	B @ 70° (Static) NR (Dynamic) HIFLUOR A to 70°	A to 70°	A	NR	NO DATA	B @ 70° C @ 70° (Dynamic)
Sulfonic Acid (Sulfurous Acid, Hydrogen Sulfite)	HO3S (15181-46-1)	В	A to 3% to 127° A to 10% to 70° B 10-100% @ 70°	A to 200°	A to 212°	A	AB to 180°	NO DATA	A to 212	A	C @ 10% @ 70°	A to 10% B @ 100% @ 70°	A to 200°	A to 70°	NR HIFLUOR A to 70°	A to 75% to 70° B @ 100% 70-212°	A	A to 5% to 70° C 10-85% @ 70°	A to 70°	B @ 70° C @ 70° (Dynamic)
Sulfuric Acid (Air-free) (Better when aerated)	H2SO4 (7664-93-9)		A to 5% to 175° NR 10-100% @ 70° B 100% to 125°	A 10-75% to 70° AB to 98% to 220°	A to 40% to 100° NR > 40%	A (Encaps. 316ss)	* A to 90% to 104° * AB 93-95% @ 70° * BC 98%@ 70-122°	A to 75% to 70° AB 80 -90% to 122° AC 90-95%@ 70-122°	A to 90% to 212° A to 96% to 175° A to 98% to 120°	A A to 90% (Boiling)	A to 3% to 70° NR at 10-100% at 70° NR at 30% at 70°			A to 50% to 70° A to 10% to 180° AB 20-30% at 122-200°	A to 70% to 176°		А		A to 95% to 70° BC 95-98% @ 70° NR 95-100% @ 70°	NR



For ChemQuik[®], DrumQuik[®], DrumQuik PRO & Other Common Colder Series Coupling Materials

				INTE	RPRETATION O	F TEST DATA (In 3	0 days to 1 year of ex	(posure)												
			Swe Linear	lling Valum atria	Loss of Te	nsile Strength	1	Description of Cher							WARN					1
		(Plasti A < 10° B < 15° C < 20° NR > 20° NOTE: All temperatures and		Volumetric (Elastomers) <= 15% <= 30% <= 50% > 50% egrees Fahrenhei	(Plastics) < 15% < 30% < 50% > 50% t. Conversion:	(Elastomers) <=15% <= 30% <= 60% > 60% °C = (°F - 32)/1.8	Excellent, little or no Good chemical resist Limited chemical res Severe attack, not re	o swelling, softening tance, minor swellin sistance, moderate a	or surface dete g, softening or o httack, condition	leterioration		 b) the Chemical R be used as a gene 	esistance guide pub ral guide only. Colo	as assembled from 3 lished by VICTREX, ti der Products Compan PC insists that all cus	he manufacturer of y is not responsible	f PEEK™ and c) t e for the accuracy	he chemical manuf of this data and as	acturers themselve ssumes no obligation	s. The table is to on of liability in	
CHEMICAL			SP	PRING Mater	ials					COUPLING	Materials						SEAL I	Materials		
Name	Formula (CAS #)	Hastelloy C (276)	316 SS	PPS	PEEK™	PTFE Encapsulated 316SS (TESS)	Polypropylene	HDPE	PVDF	PTFE/PFA	Acetal/POM (Celcon)	ABS	Polysulfone	Polycarbonate	FKM (Viton [®])	EPDM	FFKM (Chemraz [®] / Simriz [®] /	Buna	TPO (Santoprene)	Silicone
Tetrachloroethylene (PERC/PERK)	C2CH4 (127-18-4)	A	A	AB @ 100%	A	A	NR 100% @ 70° B Low Conc. @ 70°	NR 100% @ 70° B 10% @ 70° **(OK Eluorinated/TEST)	A to 100% to 176°	A	A to 70° AB 70°-140°	NR	NR	NR	A	NR	A	NR @ 70°	NR	NR
Tetra Ethyl Ortho Silicate (TEOS, tetraethoxysilane)	Si(OC2H5)4 (78-10-4) (9044-80-8)	A to 212°	A to 212°	NO DATA	A	A to 212°	A to 100°	A to 100°	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	A to 70°	A to 125°	A to 125°	NR	NO DATA	NO DATA
Tetrahydrofuran (Tetramethylene Oxide) (THF)	C4H8O (109-99-9)	A to 200°	A to 200°	A 100% to 140° C 100% @ 200°	A to 70°	A (PTFE Encapsulated 316 Stainless St.)	BC @ 70° C/NR @ 100-120° NR @ 140°	NR at 70° **(OK Fluorinated/TEST)	C 10-100% @ 70° NR @ 120°	A	A to 70°	NR	NR at 200°	NR at 70°	NR HIFLUOR A to 70°	NR	A	NR at 70°	B @ 70°	NR
Tetra Methyl Ammonium Hydroxide (TMAH)	C4H13NO (75-59-2) (93615-68-0)	NO DATA	NO DATA	NO DATA	A	A to 100% to 500°	A to 150°	AB	*** A/NR	A to 100% to 500°	NO DATA	NO DATA	NO DATA	NO DATA	NR HIFLUOR A to 70°	A to 70°	A	NR	NO DATA	B @ 70° C @ 70° (Dynai
Thionyl Chloride (Sulfinyl Chloride) (Sulforous Chloride)	CL2OS (7719-09-7)	NO DATA	NR	NO DATA	A to 70°	A	B/NR 10 - 100%@70°	NR **(OK Fluorinated/TEST)	NR	A	AC at 70°	NO DATA	NR at 70°	NR at 70°	AB to 70°	NR	A	NR at 70°	B @ 70°	NR
Toluene (Toluol)	C7H8 (108-88-3)	A to 212°	A@100% to 212°	A to 100°	A to 75°	A (PTFE Encapsulated 316 Stainless St.)	NR	AB to 70° C/NR at 70° NR at 140°	A to 140° AB @ 176° BC 176-212°	A	A to 70° AB at 140° C at 180°	NR	NR at 70°	NR at 70°	A to 100° BC to 200°	NR	A	NR 30-100% at 70°	NR	NR
Trichloroacetic Acid (TCA)	C2HCL302 (76-03-9)	A@100% to boiling AB to 100% to boil.	NR	A to 200°	A to 68° (Fluoroware)	A (PTFE Encapsulated 316 Stainless St.)	A to 140° AB @ 150°	A to 10% to 140° AC at 70-150° **(OK Fluorinated/TEST)	A to 75° A to 65% to 212° AB 104-125°	A	NR at 70°	NO DATA	B at 70-122°	A to 20% to 70° C/NR 100% at 70° NR at 100% at 122°	NR HIFLUOR A to 70°	B at 70°	A	NR at 70°	BC @ 70°	NR
Trichloroethylene (Ethylene Trichloride) (Triad)	C2HCL3 (79-01-6)	B@90% to 212° A@100% to 212°	A@90% to 212° A@100 to 140°	AC 70-100° NR @ 200°	A to 212°	A (PTFE Encapsulated 316 Stainless St.)	NR	B at 70° C at 122° **(OK Fluorinated/TEST)	A to 189° (blackens)	A	AB at 70-180°	NR	NR at 70°	NR at 70°	A to 200°	В	А	NR at 70°	NR	NR
Triethylamine (Triethyle Amine)	C6H15N (121-44-8)	NO DATA	A	NO DATA	A to 130° NR > 150°	A	NR	AB to 70° C @ 120° **(OK Fluorinated/TEST)	A to 70° (Turns Brown)	A	A to 70°	NO DATA	NO DATA	NO DATA	NR HIFLUOR A to 70°	A	A	A to 140°	B @ 70°	NR
Triethyene Glycol (TEG, Trigen, Triglycol)	C6H14O4 (676-18-6)	A	A to 200°	А	NO DATA	A	A to 125°	A to 140°	A to 125° C @ 170°	A	NO DATA	NO DATA	A to 120°	A to 70° B @ 125°	A to 70°	A to 70°	А	A to 70°	NO DATA	B @ 70°
Triethanolamine (TEA)	C6H15NO3 (102-71-6)	A 100 to 200°	AB to 100% to 75° A 1% & 100% to 200°	A 100% to 200°	A to 70°	A	AB @ 100% 70-185°	AB to 70% NR @ 120° **(OK Fluorinated/TEST)	AB to 100% to 125°	А	NR	AB to 70°	NR	NO DATA	NR HIFLUOR A to 70°	A to 160°	A	B to 100°	A to 70°	NR
Trifluoroacetic Acid (Perfluoric acid, Perfluoroacetic acid) (TFA)	C2HF3O2 76-05-1	В	A	NO DATA	NO DATA	А	C @ 70°	В	A to 125°	A	NO DATA	NO DATA	C/NR	NR	C @ 70° HIFLUOR A to 70°	A	В	C @ 70°	NO DATA	B @ 70° C @ 70° (Dynan
Trimethylbenzene (Pseudocumene)	C9H12 (95-63-6)	NO DATA	NO DATA	NO DATA	A	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	NO DATA	A to 70°	NR	A	B @ 70° C @ 70° (dynamic)	NO DATA	NO DATA
Urea (AdBlue, AUS32, Aqueous Urea Sol. 32.5%) (DEF, Diesel Exhaust Fluid, BlueTec)	CH4N2O 57-13-6	A to 130° AB to 200°	A to 200°	A to 200°	A to 212°	А	A to 100% to 180°	A to 100% to 150°	A to 100% to 250°	A	A to 100% to 70°	B @ 70°	C @ 70°	NR	A to 70° AB to 200°	A to 70° AB to 200°	A	AB to 150°	NO DATA	AB to 70°
Xylene (Xylol)	C8H10 (1330-20-7)	А	A 75-100% A@50% to 220°	A to 200°	A to 70°	A (PTFE Encapsulated	C @ 70-140° NR @ 150°	NR at 70°	A to 175° A to 100% to 175°	А	A to 140° AB at 180°	NR	NR at 100% at 70°	NR at 70°	A to 140°	NR	А	NR at 70°	NO DATA	NR @ 70°

WARNING:

The compatibility data was assembled from 3 main sources, a) the Chemical Resistance Guides published by COMPASS PUBLICATIONS ©, b) the Chemical Resistance guide published by VICTREX, the manufacturer of PEEK[™] and c) the chemical manufacturers themselves. The table is to be used as a general guide only. Colder Products Company is not responsible for the accuracy of this data and assumes no obligation of liability in connection with its use. Therefore, CPC insists that all customers test and evaluate the suitability for use of CPC couplings in their particular application before using the couplings!

NOTES:

* PVDF may discolor after prolonged exposure in Potassium Hydroxide.

* Polypropylene may discolor after prolonged exposure in Sulfuric Acid.

* Flourinated FM will often be compatible in applications. Contact CPC Inside Sales for assistance. HIFLUOR® Fluorinated FKM will often be compatible in applications where standard FKM is "NR". It bridges the price gap between FKM & FFKM perfluoroelastomers and is available only by special order (minimums may apply). Contact CPC Inside Sales for assistance. Viton[®] Kalrex[®] & Telfon® are registered trademarks of Dupont, PEEK[™] is a trademark of Victrex USA, Inc, Chemraz® is a registered trademark of Green Tweed, Simriz® is a registered trademark of International Seal, Hifluor⁺ is registered trademark of Parker Hannifin.