

# CHEMFLUOR® DUALITY™ Fluoropolymer Lined Tubing



Chemfluor® Duality™ Fluoropolymer Lined Tubing is a versatile, high-purity flexible tubing product designed to handle a variety of fluid transfer applications. Its excellent chemical and alcohol resistance makes it ideal for brewing and distilling processes, liquor dispensing, photo developing equipment, and general lab use. Thanks to the use of FDA-approved jacket and liner, and the absence of plasticizers or fillers that can leach out, Duality imparts no odor or taste contamination to fluids that pass through it.

Lightweight and easy to install, Duality offers outstanding flex life, cleans easily and stands up well to low temperature environments. No special fittings are required for Duality tubing; compression fittings can be used, but Saint-Gobain Performance Plastics recommends barbed fittings to ensure the integrity of the fluoropolymer liner.

## *High-Purity Tubing for a Variety of Fluid Transfer Applications*

### **Features/Benefits**

- Fluoropolymer lined construction
- Purity assured
- No plasticizers
- No fillers
- No VCM
- Excellent alcohol and chemical resistance
- Rapid installation
- Translucent
- Cleans easily
- No liquid absorption
- No odor or taste contamination
- No special fittings required
- Jacket and liner made from FDA approved resins
- Flexible
- Lightweight
- Excellent flex life
- Excellent low-temperature toughness

### **Typical Applications**

- Liquor dispensing systems
- Photo development
- Environmental sampling tubes
- Bottle-filling equipment
- Brewing and distilling processes
- General lab use

# Chemfluo<sup>®</sup> Duality<sup>™</sup> Fluoropolymer Lined Tubing

## Ordering Information

### Standard Sizes of DUALITY<sup>™</sup> Tubing

Nominal I.D.	Nominal O.D.	Minimum FEP Wall	Room Bend Radius	Temp. Burst PSI**	Wgt. (lbs) 1,000 ft.
1/8"	1/4"	.010"	1.0"	900	18.2
3/16	1/4	.010	1-1/4	350	13.0
1/4	5/16	.010	6	300	16.1
1/4	3/8	.010	1-1/2	600	30.3
3/8	7/16	.012	4	200	25.6
3/8	1/2	.012	4	350	45.45
1/2	5/8	.015	6	250	58.8

\*\*Each individual application should be evaluated to determine the degree of safety factor to be used with these values.

## Specifications and Performance

- Service temperature:  
25°F (-32°C) to +180°F (82°C)
- Jacket hardness Shore D43
- Jacket density .920
- Jacket chemical resistance:
  - Resistance to weak acids and bases.
  - Resists attack by strong oxidizing acids.
  - Fair resistance to strong bases.
  - Resistant to organic solvents below 140°F (60°C) except chlorinated solvents.
  - For ultraviolet-resistant grade, contact factory.

## Distributed By:

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