

4.0N POLYESTER POLYURETHANE FOAM

PHYSICAL PROPERTIES*

TEST VALUES*

	U.S. STANDARD		METRIC	
	MINIMUM	AVERAGE	MINIMUM	AVERAGE
Density	4.00 ± 10 % lbs./ft. ³		64.1 ± 10 % kg/M ³	
Tensile Strength	12.0 psi	20.0 psi	83 kPa	138 kPa
Elongation	120%	215%	120%	215%
Tear Resistance	1.30 pli	2.00 pli	227 N/M	350 N/M
Compression Force Deflection				
25 % Deflection	0.55 psi	0.65 psi	3.8 kN/M ²	4.5 kN/M ²
50 % Deflection	0.65 psi	0.85 psi	4.5 kN/M ²	5.9 kN/M ²
Retention of Tensile Strength after 3 hours, 105°C, steam autoclave			Min. 70%	
Retention of Tensile Strength after 22 hours, 140°C, dry heat aging			Min. 70%	

Flammability Characteristics: §

- Meets the requirements of S4.3 of Federal Motor Vehicle Safety Standard No. 302.‡
- Meets the requirements of Underwriters Laboratories Standard for Safety UL 94 Classification HF-1 @ 0.118 inch (3.0 mm) minimum thickness. ¥

Features:

- Clickable

* Test Methods : ASTM-D3574-[latest revision]. Standard Methods of Testing Flexible Cellular Materials - Slab, Bonded, and Molded Urethane Foam.

‡ FMVSS 302 is a test procedure that specifies the burn resistance requirements for material used in the occupant compartments of motor vehicles.

¥ UL 94 is a test for Flammability of Plastic Materials for Parts in Devices and Appliances.

§ The flammability test(s) described in this specification is/are small scale test procedure(s) performed under controlled laboratory conditions, and is/are not intended herein to reflect the hazards presented by this or any other material under actual fire conditions.

CFC's are not used in the manufacturing of Wm. T. Burnett Co. polyurethane foams.

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