

"Manufacturing with the environment in mind"®

FLER4 POLYETHER POLYURETHANE FOAM

PHYSICAL PROPERTIES

TEST VALUES

	U.S. STANDARD AVERAGE		METRIC AVERAGE	
	MINIMUM	AVERAGE	MINIMUM	AVERAGE
Density	1.90 ± 10 % lbs./ft. ³		30.44 ± 10 % kg/m ³	
Tensile Strength	20.0 psi	25.0 psi	138 kPa	172 kPa
Elongation	180%	300%	180%	300%
Tear Resistance	1.50 pli	3.00 pli	263 N/M	525 N/M
Indentation Force Deflection				
25% Deflection	30 lbs./50 in. ²	40 lbs./50 in. ²	133 N/323cm ²	178 N/323cm ²
65% Deflection	55 lbs./50 in. ²	80 lbs./50 in. ²	245 N/323cm ²	356 N/323cm ²
Retention of Tensile Strength after 5 hours, 120°C, Steam Autoclave			Min. 70%	
Retention of Tensile Strength after 22 hours, 140°C, Dry Heat Aging			Min. 70%	
Air Flow	0.50 ft ³ / 4 in ² / min	4.00 ft ³ / 4 in ² / min	5.49 m ³ / m ² / min	43.88 m ³ / m ² / min

Flammability Characteristics: §

- Meets the requirements of S4.3 of Federal Motor Vehicle Safety Standard No. 302.‡

Features:

- Compliant with European union REACH (Registration, Evaluation and Authorization of Chemical Substances - EC1907/2006)
- This product meets the basic foam physical requirements of General Motors Engineering Standard GMW15058-A1.
- This product meets the performance requirements of Chrysler Engineering Standards MS-AY309 and MS-AY313.
- Meets the Requirements of RoHS and SVHC (Restrictions of Hazardous Substances European Union Directive - 2002/95/EC) through June 2015 Revision

* 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.

§ The flammability test(s) described in this specification is/are small scale test procedure(s) performed under controlled laboratory



PRODUCT SPECIFICATIONS

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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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