



## PRODUCT SPECIFICATIONS

"Manufacturing with the environment in mind"®

### EMR3 POLYETHER POLYURETHANE FOAM

#### PHYSICAL PROPERTIES

#### TEST VALUES

	U.S. STANDARD AVERAGE		METRIC AVERAGE	
	MINIMUM	AVERAGE	MINIMUM	AVERAGE
Density	1.75 ± 10 % lbs./ft. <sup>3</sup>		28.04 ± 10 % kg/m <sup>3</sup>	
Tensile Strength	15.0 psi	20.0 psi	103 kPa	138 kPa
Elongation	150%	250%	150%	250%
Tear Resistance	1.50 pli	2.00 pli	263 N/M	350 N/M
Compression Force Deflection				
50 % Deflection	0.35 psi	0.60 psi	2.4 kN/M <sup>2</sup>	4.1 kN/M <sup>2</sup>
Indentation Force Deflection				
25% Deflection	23 lbs./50 in. <sup>2</sup>	30 lbs./50 in. <sup>2</sup>	102 N/323cm <sup>2</sup>	133 N/323cm <sup>2</sup>
65% Deflection	45 lbs./50 in. <sup>2</sup>	70 lbs./50 in. <sup>2</sup>	200 N/323cm <sup>2</sup>	311 N/323cm <sup>2</sup>
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%	

#### Flammability Characteristics: §

- Meets the requirements of S4.3 of Federal Motor Vehicle Safety Standard No. 302.‡
- Meets the Requirements of RoHS through June 2013 Revision of SVHC ( Restriction of Hazardous Substances European Union Directive – 2002/95/EC)

\* 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 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.

Edition: 6/1/2015

FOAM DIVISION: 2112 Montevideo Road • Jessup, MD 20794 • Tel: 410.799.1788 • Toll Free: 800.638.0606 • Fax: 410.799.2620

<http://www.wmtburnett.com/>