



## PRODUCT SPECIFICATIONS

"Manufacturing with the environment in mind"®

### G45RL POLYETHER POLYURETHANE FOAM

#### PHYSICAL PROPERTIES

#### TEST VALUES

	U.S. STANDARD AVERAGE		METRIC AVERAGE	
	MINIMUM	AVERAGE	MINIMUM	AVERAGE
Density	3.00 ± 10 % lbs./ft. <sup>3</sup>		48.06 ± 10 % kg/m <sup>3</sup>	
Tensile Strength	25.0 psi	35.0 psi	172 kPa	241 kPa
Elongation	90%	140%	90%	140%
Tear Resistance	1.50 pli	2.50 pli	263 N/M	438 N/M
Indentation Force Deflection				
25% Deflection	105 lbs./50 in. <sup>2</sup>	130 lbs./50 in. <sup>2</sup>	467 N/323cm <sup>2</sup>	578 N/323cm <sup>2</sup>
65% Deflection	200 lbs./50 in. <sup>2</sup>	260 lbs./50 in. <sup>2</sup>	890 N/323cm <sup>2</sup>	1156 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.‡

#### Features:

- This product may be flame laminated.
- Meets the Requirements of RoHS through June 2013 Revision of SVHC ( Restriction of Hazardous Substances European Union Directive – 2011/65/EU)
- 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-E1.

\* 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.

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NOTE: This specification is for flat foam only.