



## PRODUCT SPECIFICATIONS

"Manufacturing with the environment in mind"®

### HB1650R POLYETHER POLYURETHANE FOAM

#### PHYSICAL PROPERTIES

#### TEST VALUES

	U.S. STANDARD AVERAGE		METRIC AVERAGE	
	MINIMUM	AVERAGE	MINIMUM	AVERAGE
Density	1.60 ± 10 % lbs./ft. <sup>3</sup>		25.63 ± 10 % kg/m <sup>3</sup>	
Tensile Strength	15.0 psi	25.0 psi	103 kPa	172 kPa
Elongation	125%	200%	125%	200%
Tear Resistance	1.80 pli	2.50 pli	315 N/M	438 N/M
Indentation Force Deflection				
25% Deflection	34 lbs./50 in. <sup>2</sup>	44 lbs./50 in. <sup>2</sup>	151 N/323cm <sup>2</sup>	196 N/323cm <sup>2</sup>
65% Deflection	65 lbs./50 in. <sup>2</sup>	80 lbs./50 in. <sup>2</sup>	289 N/323cm <sup>2</sup>	356 N/323cm <sup>2</sup>
Retention of Tensile Strength after 5 hours, 120°C, Steam Autoclave	Min. 70%			

#### Flammability Characteristics: §

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

#### Features:

- Meets the Requirements of RoHS through June 2013 Revision of SVHC ( Restriction of Hazardous Substances European Union Directive – 2002/95/EC)
- Compliant with European union REACH (Registration, Evaluation and Authorization of Chemical Substances - EC1907/2006)
- Water-resistant or "hydrophobic" foam
- Passes most stringent U-channel (impermeability) test of greater than 24 hours for water penetration (25 mm water head)
- Meets the physical property requirements of MS-AY350, MS-AY355, ESH-M4D291-D and GMW16750-4M
- Meets Impermeability Tests-Ford BO112-03

\* 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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