S82N POLYESTER POLYURETHANE FOAM

PHYSICAL PROPERTIES	TEST VALUES			
	U.S. STANDARD		METRIC	
	MINIMUM	AVERAGE	MINIMUM	AVERAGE
Density	2.00 ± 10 % lbs./ft.³		32.0 ± 10 % kg/M³	
Tensile Strength	16.0 psi	20.0 psi	110 kPa	138 kPa
Elongation	90%	116%	90%	116%
Compression Force Deflection				
25 % Deflection	0.55 psi	0.75 psi	3.8 kN/M²	5.2 kN/M²
50 % Deflection	0.65 psi	0.85 psi	4.5 kN/M²	5.9 kN/M²
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 @ 0.06 inch (1.5 mm) minimum thickness. ¥

Features:

- Clickable
- 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)

* 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 this foam.

Edition: 5/13/2013