

Technical Data Sheet

Foam | Polyester Urethane | 1820

Our 1820 polyester urethane foam is a 2 PCF / 32 kg/m³ open cell material designed for use in the automotive industry. This material meets the FMVSS302 FR standard.

Item	Specs		Test Method
Grade			
Density (PCF) (kg/m ³)	1.8 – 2.2 PCF 28.8 – 35.2 kg/m ³		ASTM D3574
Compression Deflection (CFD) (psi) (kPa) @25% @50%	0.5 psi / 3.4 kPa 0.55 / 3.7 kPa		ASTM D3574
Shore Hardness OO (Durometer)			
Compression Set (%)	30 max		ASTM D3574
Tensile Strength (psi)(kPa)	16 psi 110 kPa		ASTM D3574
Elongation (%)	105		ASTM D3574
Tear Strength Resistance (lb/in)	1.3		ASTM D3574
Water Absorption by Weight			
Accelerated Age Testing: Retention of tensile strength after 22 hours, 140 °C, dry heat aging (%)	70 min		ASTM D3574
Service Temperature (°F)(°C) Low High Continuous High intermittent	°F -4 248	°C -20 120	
Flame Resistance	Pass Pass		FMVSS 302 UL 94 / HF-1
Industry and OEM Specifications: Jacobs and Thompson Inc. certifies that the following product meets the required specifications;	MSAY 301A ESA-M4D57-A1 WSK-M2D417-A GMW14196 Type 3I		

REV. 005
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