

Technical Data Sheet

Foam | Polyester Urethane | 1860

Our 1860 polyester urethane foam is a 6.0 PCF / 96 kg/m³ open cell material designed for the automotive industry. This foam meets the FMVSS302 FR requirement.

Item	Specs		Test Method
Grade			
Density (PCF) (kg/m ³)	5.4 – 6.6 PCF 86.4 – 105 kg/m ³		ASTM D3574
Compression Deflection (CFD) (psi) (kPa) @25% @50%	0.65 psi / 4.4 kPa 0.95 psi / 6.5 kPa		ASTM D3574
Shore Hardness OO (Durometer)			
Compression Set (%)			
Tensile Strength (psi)(kPa)	12 psi min 82 kPa min		ASTM D3574
Elongation (%)	150		ASTM D3574
Tear Strength Resistance (lb/in)	1.5 min		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 UL94 HF-1
Industry and OEM Specifications: Jacobs and Thompson Inc. certifies that the following product meets the required specifications;	MSAY 545A ESB M4D75A GM251M TYPE III FMVSS302 UL94 HF-1		

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