

Technical Data Sheet

Foam | Polyester Urethane | 1840

Our 1840 polyester urethane foam is a 4 PCF / 64 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)	3.6 – 4.4 PCF 57.6 – 70.4 kg/m ³		ASTM D3574
Compression Deflection (CFD) (psi) (kPa) @25% @50%	0.55 psi / 3.8 kPa 0.65 psi / 4.4 kPa		ASTM D3574
Shore Hardness OO (Durometer)			
Compression Set (%)			
Tensile Strength (psi)(kPa)	12 psi min 82 kPa		ASTM D3574
Elongation (%)	120		ASTM D3574
Tear Strength Resistance (lb/in)	1.3 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	°C	
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 303 ESF-M4D155-A MAD 155A GM 251M TYPE II TSK6712G-2A FMVSS302 UL94 HF-1		

REV. 008
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ISO 9001:2015 • ISO/IEC 17025:2017

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