

Technical Data Sheet

Foam | Micro-cell Urethane | 6153

Our 6153 foam is a black micro-cellular urethane material with a density rating of 15 PCF / 240 kg/m³. This material has good UV, Ozone, Corrosion, Fogging, and Bacteria resistance, exceptional recover capabilities and provides optimal compression set performance.

Item	Specs		Test Method
Grade			
Density (PCF) (kg/m ³)	13.5 – 16.5 PCF 216 – 264 kg/m ³		ASTM D 3574 Test A
Compression Deflection (CFD) @25% (psi) (kPa)	1 – 5 psi 6.8 – 34.4 kPa		
Shore Hardness O/A (Durometer)	< 3		ASTM D 2240
Compression Set (%)	2 10 5		ASTM D1667-Test D @ 730 °F ASTM D3574-Test D @ 1580°F ASTM D3574-Test J/Test D after autoclaved 5 hrs@ 2500°F
Tensile Strength (psi)(kPa)	20 psi min 137 kPa min		ASTM D 3574 – Test E
Elongation (%)	100 min		ASTM D 3574 – Test E
Tear Strength Resistance (ppi)	1 min		ASTM D624 Die C
Water Absorption by Weight - High humidity exposure, % wt - Immersion testing, % wt	2 12		AMS 3568-95 ASTM D 570-95
Accelerated Age Testing:			
Service Temperature (°F)(°C)	°F	°C	
Low	-60	-51	ASTM D 746
High Continuous	194	90	SAE J-2236
High intermittent	250	121	ASTM D 746
Flame Resistance	Pass		FMVSS 302/UL 94HBF
Industry and OEM Specifications: Jacobs and Thompson Inc. certifies that the following product meets the required specifications;	MS-AY549 Type 10 WSS-M2D496-A1 DELPHI MS00-7462 Type III FMVSS302 UL 94HBF UL JMST2 (UL 50 and UL 508)		

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