

Technical Data Sheet

Foam | EPDM | 5420

Our 5420 foam is a black closed-cell 3.1 – 6.2 PCF / 50 – 100 kg/m³ EPDM 2A1 /RE41 grade product and contains no Sulphur. This material is used in automotive electrical components due to its high resistance to corrosion. 5420 EPDM has good UV resistance capabilities and is suitable to outdoor applications. It has a very good Air+UV resistance and an Ozone Resistance of 48H/200pphm as tested per ASTM D1149.

Item	Specs		Test Method
Grade	2A1 / RE41		ASTM D 1056
Density (PCF) (kg/m ³)	3.1 – 6.2 PCF 50 – 100 kg/m ³		ISO 845-88 ASTM D 1056
Compression Deflection @25% (CFD) (psi) (kPa)	2 - 5 psi 14 - 34 kPa		ASTM D 1056
Shore Hardness OO (Durometer)	30 – 40		ASTM D 2240
25% Compression Set (%), Room temp, 22h	40 max		ASTM D 1056
Tensile Strength (psi) (kPa)	46 psi 320 kPa		ASTM D 412
Elongation %	>150%		ASTM D 412
Tear Strength Resistance (lb/in)	11		ASTM D 624
Water Absorption by Weight %	<5		ASTM D 1056
Accelerated Age Testing: 7 days @ 70°C Change in CFD%	<5%		ASTM D 1056
Service Temperature (°F)(°C)	°F	°C	ASTM D 1056
Low	-40	-40	
High	194	90	
Flame Resistance	Pass @ 3/16" and higher		FMVSS 302
Industry and OEM Specifications: Jacobs and Thompson Inc. certifies that the following product meets the required specifications;	FMVSS 302		

REV. 003
 REV. DATE: 02/12/21
 ISO 9001:2015 • ISO/IEC 17025:2017

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