

Technical Data Sheet

Foam | EPDM | 5440

Our 5440 foam is a black closed-cell 7.5 PCF / 120 kg/m³ EPDM 2A2 /RE42 grade product. This material is used in automotive electrical components due to its high resistance to corrosion. 5440 EPDM has good UV resistance capabilities and is suitable for outdoor applications and contains NO Sulphur. It has a very good Air+UV resistance and an Ozone resistance of 48H/200pphm as tested by ASTM D1149.

Item	Specs		Test Method
Grade	2A2 / RE42		ASTM D 1056
Density (PCF) (kg/m ³)	6.2 – 8.7 PCF 100 – 140 kg/m ³		ISO 845-88 ASTM D 1056
Compression Deflection (CFD) (psi) (kPa)	5 - 9 psi @25% 34 - 62 kPa @ 25%		ASTM D 1056
Shore Hardness OO (Durometer)	45 – 55		ASTM D 2240
50% Compression Set (%), room temp, 22h	25 max		ASTM D 1056
Tensile Strength (psi) (kPa)	65.2 psi 450 kPa		ASTM D 412
Elongation %	>150%		ASTM D 412
Tear Strength Resistance (lb/in)	16		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	203	95	
High intermittent	266	130	
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;	WSK-M2D-419-A Type 3 FMVSS302 VW 50180		

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

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