

Technical Data Sheet

Foam | Neoprene / EPDM / SBR Blend | 4116-S

4116-S is a neoprene blended foam with a density range of 4.5 – 6.5 PCF / 72 – 104 kg/m³. This material is used in automotive and general industrial applications. It comes in black and is a 2A1 grade of foam with a service temperature range of - 70 °F to 158 °F. It has good Ozone resistance, and fair UV resistance.

Item	Specs		Test Method
Grade	2A1 SCE41 II		ASTM D1056 / SAE J18 ASTM D-1056-67 GM6086M/GMN11106
Density (PCF) (kg/m ³)	4.5 – 6.5 PCF 72 – 104 kg/m ³		ASTM D 1056
Compression Deflection (CFD) (psi) (kPa) @25%	2 – 5 psi 13.7 – 34.4 kPa		ASTM D1056
Shore Hardness OO (Durometer)	30 - 50		ASTM D 2240
Compression Set %			
Tensile Strength (psi)(kPa)	50 psi 344 kPa		ASTM D412
Elongation (%)	150		ASTM D412
Tear Strength Resistance (ppi)			
Water Absorption by Weight %	5		ASTM D 1056
Accelerated Age Testing: Accelerated linear shrinkage (%)	5		
Service Temperature (°F)(°C)	°F	°C	
Low	-70	-56	
High Continuous			
High intermittent	158	70	
Flame Resistance	Pass (Self-Extinguishing) Pass (UL Listed)		FMVSS 302 UL 94 HBF
Industry and OEM Specifications: Jacobs and Thompson Inc. certifies that the following product meets the required specifications;	SAE J18-02 2A1 GM 6086M II GMN11106 II FMVSS302 UL94 HBF		

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