

Technical Data Sheet

Foam | Neoprene Based | 451

451 is a neoprene foam with a density range of 21 – 35 PCF / 336 – 560 kg/m³. This material is primarily used in automotive and general industrial applications. It comes in black and is a 2C5 grade of foam with a service temperature range of -40 °F to 200 °F. It has fair Ozone resistance, and excellent UV resistance. It has a Fuel B Resistance of 150%.

Item	Specs		Test Method
Grade	2C5 SCE45 IIIA 2C5		ASTM D1056 / SAE J18 ASTM D-1056-67 GM6086M/GMN11106 TSM1501G
Density (PCF) (kg/m ³)	21 – 35 PCF 336 – 560 kg/m ³		ASTM D 1056
Compression Deflection (CFD) (psi) (kPa) @25%	16 – 24 psi 110 – 165 kPa		ASTM D1056
Shore Hardness OO (Durometer)	65 – 70		ASTM D 2240
Compression Set %			
Tensile Strength (psi)(kPa)	150 psi 1034 kPa		ASTM D412
Elongation (%)	140		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	-40	-40	
High Continuous			
High intermittent	200	93	
Flame Resistance	Pass Pass		FMVSS 302 ASTM D6576
Industry and OEM Specifications: Jacobs and Thompson Inc. certifies that the following product meets the required specifications;	SAE J18-02 2C5 GM 6086M IIIA GMN11106 IIIA TSM1501G 2C5 FMVSS302 ASTM D 6576		

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