

Technical Data Sheet

Foam | Vinyl / Nitrile | 4117-VI

4117-VI is a Vinyl Nitrile foam with a density range of 4 – 7 PCF / 64 – 112 kg/m³. This material is used primarily in automotive applications. It comes in black and is a 2B0/1 grade of foam with a service temperature range of -70 °F to 158 °F. It has good Ozone resistance, and fair UV resistance. It has a Fuel B resistance of 100%.

Item	Specs		Test Method
Grade	2B0/1 SBE41 IB		ASTM D1056 / SAE J18 ASTM D-1056-67 GM6086M/GM11106
Density (PCF) (kg/m ³)	4 – 7 PCF 64 – 112 kg/m ³		ASTM D1056
Compression Deflection (CFD) (psi) (kPa) @25%	1 – 3 psi 6.9 – 20.6 kPa		ASTM D1056
Shore Hardness OO (Durometer)	15 – 35		ASTM D 2240
Compression Set (%) @50%			
Tensile Strength (psi)(kPa)	40 275 kPa		ASTM D 412
Elongation (%)	170		ASTM D 412
Tear Strength Resistance (ppi)			
Water Absorption by Weight (%)	5		ASTM D1056
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		FMVSS 302
Industry and OEM Specifications: Jacobs and Thompson Inc. certifies that the following product meets the required specifications;	SAE J18-02 2B0/1 GM 6086M IB GMN11106 IB FMVSS302		

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