

Technical Data Sheet

Foam | EPDM | S166

Our S166 is a soft and flexible EPDM foam with a density of 5 – 6 PCF / 65 - 95 kg/m³. Our S166 is a 2A1 grade. This material has good compression set performance and a service temperature range of -40F to 248 °F / -40 to 120°C.

Item	Specs		Test Method
Grade	2A1		ASTM D1056-00
Density (PCF) (kg/m ³)	4 – 6 65 – 95		ASTM D1056
Compression Deflection (CFD) (psi) (kPa) @25%	2.1 – 5.1 15 – 35		ASTM D1056
Shore Hardness OO (Durometer)	20		
Compression Set (%) @50%	≤ 35		ASTM D1056
Tensile Strength (psi)(kPa)			ASTM D 412, Die A
Elongation (%)			
Tear Strength Resistance (ppi)	≥ 1.7		
Water Absorption by Weight (%)	≤ 5		ASTM D1056
Accelerated Age Testing:			
Service Temperature (°F)(°C)	°F	°C	
Low	-40	-40	
High Continuous	248	120	
High intermittent	284	140	
Flame Resistance	Pass HBF ≥ 3mm		FMVSS302 UL 94
Industry and OEM Specifications: Jacobs and Thompson Inc. certifies that the following product meets the required specifications;	BMW S 603 00.0 A 941 EPDM 3 1 0.05 GMW 17408 Class II Type IV PSA B65 4360 EPDM 08 X C2 04/08 4100X0 RENAULT 03-10-102 2 C 04/08 B4 C2 P1 except tearing resistance VW TL 52065 Depends on drawing requirements		

REV. 001
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 ISO 9001:2015 • ISO/IEC 17025:2005

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