



EM-41-ST/EM-41-UL

EPDM / Fire Retardant EPDM

This data sheet property values are typical of the material and are intended to provide guidance to customers; they do not constitute a specification and should not be used for specification development.

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Item	EM-41-ST		EM-41-UL		Test Method
Grade	2A1		2A1		ASTM D1056
Density (PCF) (kg/m ³)	6 ± 2 PCF 96 ± 32 kg/m ³		6 ± 2 PCF 96 ± 32 kg/m ³		ASTM D1056
Compression Deflection (CFD) (psi) (kPa) @25%	2 to 5 psi @ 25% 13.8 to 34.5 kPa @ 25%		2 to 5 psi @ 25% 13.8 to 34.5 kPa @ 25%		ASTM D 1056
Shore Hardness OO (Durometer)	35 to 43		20 to 28		ASTM D2240
Compression Set %	≤45 @ 50%		≤40 @ 50%		ASTM D395
Tensile Strength (psi) (kPa)	≥40 psi ≥276 kPa		≥35 psi ≥241 kPa		ASTM D412
Elongation (%)	220 to 260		220 to 260		ASTM D412
Tear Strength Resistance (lb/in)	≥6		≥6		ASTM D624
Water Absorption by Weight %	10%		10%		ASTM D1056
Service Temperature (°F)(°C)	°F	°C	°F	°C	ASTM 3575
Low	-58	-50	-58	-50	
High	219.2	104	219.2	104	
High intermittent	257	125	257	125	
Flame Resistance	Pass @ ≥ 6.35mm		Pass @ ≥ 1.5mm Pass @ ≥ 3.17mm		FMVSS-302

The data on this technical data sheet should be used as a guideline for product selection. This data is not intended to represent, replace or be used as a proxy for a specific product sales specification. The physical properties are averages based on limited production runs and are subject to change as additional data becomes available.