

Open Cell EPDM Sponge Material Datasheet

Product Code: RC02107-800

S.C. REF: TRC09

Material Description

Our open cell epdm sponge is an incredibly versatile, high-performance sealing material. It offers many of the same properties found in a closed-cell material in terms of durability as well as resistance to weathering, UV and Ozone deterioration. However, as an open cell material it offers superior flexibility and recovery without deformation when pressure is released.

Technical Specification



Available In -



Full Rolls

Cut to strip

Bespoke Gaskets

Properties	Test Method	Values
Product	-	Open Cell EPDM Sponge
Compound	-	EPDM
Density	ASTM D3575	65 +/- 10 kg/m ³
Tensile Strength	ASTM D3575	115 +/- 10% kPa
Elongation at Break	ASTM D3575	200 +/- 25%
Compression Set (50%, 22hrs @ 23°C)	ASTM D1056	19%
Compression Deflection (25%)	ASTM D1056	1.5 +/- 10% kPa
Compression Deflection (50%)	ASTM D1056	2.5 +/- 10% kPa
Temperature Range (Constant)	-	-20°C to +70°C
Water Absorption (Max Weight Change)	ASTM D1056	4 +/- 10%
Flame Resistance (>3mm)	FMVSS302	Self Extinguishing
Ozone Test (50pphm, 20%, 72hrs @ 40°C)	ASTM D 1149	No Cracks
Heat Aging Test (72hrs @ 100°C)		
Change in Tensile Strength	-	25 +/- 10%
Change in Elongation	-	25 +/- 10%

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