

Black EPDM Closed Cell Sponge Material Datasheet

Product Code: RC02107-1075

S.C. REF: TRC01

Key Features

Our EPDM sponge rubber is a high-quality, closed cell material that is commonly used to create an air and watertight seal. EPDM sponge is great for use in outdoor sealing applications due to the superior UV and Ozone resistance it provides. Apart from offering excellent weathering resistance, EPDM also features good flexibility and tensile strength properties.

Technical Specification



Available In -



Full Rolls

Cut to strip

Bespoke Gaskets

Properties	Test Method	Values
Product	-	Closed Cell EPDM Sponge
Compound	-	EPDM
ASTM D1056- 14 Classification	2A1 B3 C M	-
Hardness (Shore 00)	-	35° -45°
Density	ASTM D3575	75-105 kg/m ³
Tensile Strength	ASTM D412	200-300 kPa
Elongation at Break	ASTM D412	180-220%
Compression Set (25%, 22hrs @ 23°C)	ASTM D1056	10-15%
Compression Set (50%, 22hrs @ 23°C)	ASTM D1056	20-40%
Shrinkage (22hrs @ 70°C)	ASTM D573	10-15%
Compression Deflection (25%)	ASTM D1056	15-35 kPa
Compression Deflection (50%)	ASTM D1056	60-80 kPa
Temperature Range (Constant)	-	-30°C to +80°C
Temperature Range (Intermittent)	-	+90°C
Water absorption (Max Weight Change)	ASTM D1056	1-3%
Flame Resistance (>3mm)	FMVSS302	Pass
Flame Resistance (>12mm)	UL94 HBF	Pass
Environmental Protection	-	CFC, Halogen & HCFC Free

The information contained on this product information sheet is to be used as guidance. The advice is given in good faith and does not constitute any guarantee or recommendation for suitability. The Rubber Company cannot be held liable for any damage caused by incorrect installation. We hereby reserve the right to change the technical information herewith without notification or prior agreement.