

## Black Closed Cell EPDM Sponge Material Datasheet

Product Code: RC02107-2020

S.C. REF: TRC03

### 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	2A2 B3 M	-
Hardness (Shore 00)	-	50° -60°
Density	ASTM D3575	180-200 kg/m <sup>3</sup>
Tensile Strength	ASTM D412	780-850 kPa
Elongation at Break	ASTM D412	140-180%
Compression Set (25%, 22hrs @ 23°C)	ASTM D1056	4-5%
Shrinkage (22hrs @ 70°C)	ASTM D573	4-8%
Compression Deflection (25%)	ASTM D1056	50-70 kPa
Compression Deflection (50%)	ASTM D1056	100-120 kPa
Temperature Range (Constant)	-	-30°C to +90°C
Temperature Range (Intermittent)	-	+100°C
Water absorption (Max Weight Change)	ASTM D1056	1-2 %
Flame Resistance (>3mm)	FMVSS302	Pass
Ozone Test (200 +/- 5 pphm, 20%, 72hrs @ 40 +/- 2°C)	ASTM D1171-99	No Cracks
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.