

## Open Cell EPDM Sponge Material Datasheet

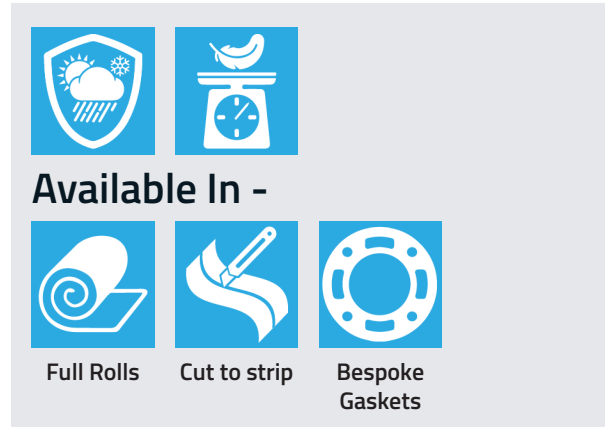
Product Code: RC02107-800

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



Properties	Test Method	Values
Product	-	Open Cell EPDM Sponge
Compound	-	EPDM
Density	ASTM D3575	65 +/- 10 kg/m <sup>3</sup>
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
<b>Heat Aging Test (72hrs @ 100°C)</b>		
Change in Tensile Strength	-	25 +/- 10%
Change in Elongation	-	25 +/- 10%

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.

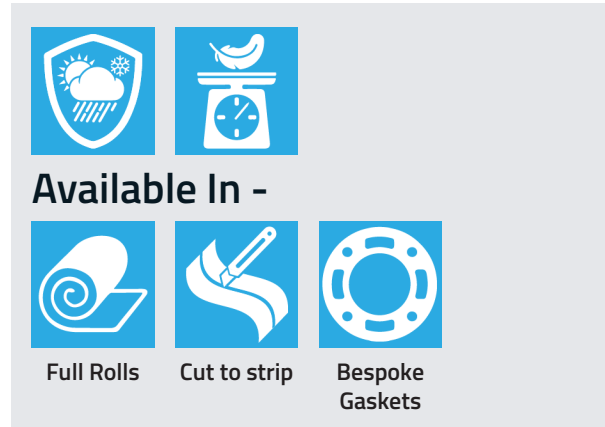
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## Technical Specification



Properties	Test Method	Values
Product	-	Open Cell EPDM Sponge
Compound	-	EPDM
Density	ASTM D1056-07	70-100 kg/m <sup>3</sup>
Tensile Strength	ASTM D412	120 kPa
Elongation at Break	ASTM D412	190%
Compression Set (50%, 22hrs @ 23°C)	ASTM D1056-07	16%
Compression Deflection (25%)	ASTM D1056-07	2-4kPa
Compression Deflection (50%)	ASTM D1056-07	5-8 kPa
Temperature Range (Constant)	-	-30°C to +120°C
Flame Resistance (>3mm)	FMVSS302	Self Extinguishing
Ozone Test (200 +/-5pphm, 20%, 72hrs @ 40°C)	ASTM D1149	No Cracks

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