

Open Cell EPDM Sponge Material Datasheet

Product Code: RC02107-800

S.C. REF: TRC05

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.



Available In -



Full Rolls



Cut to strip



Bespoke Gaskets

Technical Specification

| 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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