Expanded EPDM foam

One-page datasheet based on the supplied specifications.

PRODUCT SUMMARY

Black closed-cell EPDM foam with good air, UV and ozone resistance. Suitable for sealing, vibration damping and industrial applications requiring lightweight, flexible, weather-resistant foam.

Property	Value
Base material	EPDM (sulphur-free)
Applicable standard	ASTM D-1056 – RE 42 / 2A2
Cell structure	Closed-cell
Colour	Black
Density (ISO 845-88 / ASTM D 3575)	120 ± 20 kg/m³
Water absorption (ASTM D 1056)	< 5%
Continuous operating temperature	-40 °C ... +95 °C
Short-term temperature exposure	+130 °C
Linear shrinkage after 22 h at 70 °C	< 5%
Elongation at break (ASTM D 412)	> 150%
Tensile strength (ASTM D 412)	4.5 kgf/cm² (450 kPa)
Tear strength (ASTM D 624)	2.8 kgf/cm (2.7 kN/m)
Resistance	Air / UV: very good Ozone: 48 h / 200 pphm
Compression stress (ASTM 1056/85)	At 25% compression: 0.35 kgf/cm² (35 kPa)
Compression set	At 25% compression: < 40% (30 mm sample, 21 °C, 22 h)
Hardness, Shore 00 (ASTM D 2240)	35–50
Flammability standard	FMVSS 302
Peroxide curing	Sulphur-free

NOTE

The data are for guidance only. Product suitability for the intended application should be verified before use.

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