M00000863
Foam tape, 15x1mm, roll 30m, black, Maunt



Description
This foam tape is made of closed-cell EPDM cellular rubber and is used to seal flat and parallel joints against water, air and dust, for example as a draught strip or sealing tape for windows, partition walls and in the electrical industry. The tape is also used to dampen vibrations and shocks. Thanks to the closed cell structure, the material absorbs hardly any water and returns to its original shape after compression. Due to its resistance to UV radiation and ozone, the tape can be used both indoors and outdoors. The tape is not suitable for applications involving oil or for contact with copper and silver. The technical data are based on research data and serve as a guideline; test yourself whether the material meets the requirements of the intended application.

Brand
Maunt

Physical specifications

Material	EPDM cellular rubber
Cell structure	Closed-cell
Colour	Black
Width	15 mm
Thickness	1 mm
Roll length	30 m
Self-adhesive	Yes, single-sided
Hardness	40 Shore 00 (10 – 15 Shore A)
Density	120 kg/m³ (100 – 130 kg/m³, DIN EN ISO 845)
Thermal conductivity (λ)	0.037 W/mK
Water absorption	< 5% (ASTM D1056-14)
Shelf life	2 years

Mechanical specifications

Force at 25% compression	42 kPa (35 – 65 kPa, ASTM D1056)
Force at 50% compression	110 kPa (80 – 160 kPa, NF R 99211-80)
Compression set (50%, 24 h, 23°C)	17% (< 25%, ASTM D1056-07)
Compression set (50%, 24 h, 40°C)	43% (< 60%, NF R 99211-80)
Tensile strength	420 kPa (> 350 kPa, DIN EN ISO 1798)
Elongation at break	140% (> 120%, DIN EN ISO 1798)
Abrasion resistance	1.4 kN/m (> 1 kN/m, NF R 99211-80)
Maximum compression	50%

Environmental specifications

Operating temperature	-40°C to +80°C (briefly +100°C)
Shrinkage (22 h, 70°C)	< 5%
Volume change (7 days, 70°C)	-2.5% (ISO 188)
Volume change (3 days, 80°C)	-2.3% (FORD WSK-M2D419-A)
Resistance to oil	Poor
Contact with copper and silver	Poor

Classification codes and standards

Fire safety	FMVSS 302 compliant
Protection/Environment	UV resistance very good; ozone resistance very good (> 336 hours at 20%, 40°C, 200 pphm, ISO 1431)
Environmental/Substance compliance	REACH and RoHS compliant, CFC and HCFC free, recyclable