

General

Raw Material	EPDM
Material	Foam
Color	Black
Cell Structure	Closed-cell
Hardness	45 Shore 00
Density	120 kg/m ³
Density Range and Standard	100 to 130 kg/m ³ (DIN EN ISO 845)

Material Options

Adhesive Options	One side, two sides, none
Sheet Dimensions	2000x1000mm
UV Resistance	Very good
Ozone Resistance	Very good
Application with oil	Bad
Contact with copper and silver	Bad
Sealing Type	Flat/Parallel

Technical Properties

Temperature	-40°C to +80°C, briefly +100°C
FMVSS302	Conforms
Shrinkage 22h, 70°C	< 5%
Change of volume: 7 days, 70 °C	-2,5% (ISO 188)
Change of volume: 3 days, 80 °C	-2,3% (FORD WSK-M2D419-A)
Thermal conductivity	0,037 W/mk
Water Absorption	< 5% (ASTM D1056-14)
Ozone resistance 20%, 40 °C, 200pphm	> 336 hours (ISO 1431)
Compression deflection 25%	42 kPa (35 - 65 kPa, ASTM D1056)
Compression deflection 50%	110 kPa (80 - 160 kPa, NF R 99211-80)
Compression set: 50%, 24h, 23 °C	17% (< 25%, ASTM D 1056-07)
Compression set: 50%, 24h, 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)
Tear resistance	1,4 kN/m (> 1 kN/m, NFR 99211-80)
Maximum Compression Percentage	50%