

CELLE EPDM (400)

technical data sheet



113
20/06 2023

General Description

Raw material	EPDM
Material type	foam rubber
Color	black
Cell structure	closed
Hardness (Shore 00)	40 Shore 00 <i>Range: 35 Shore 00 to 45 Shore 00</i>
Hardness (Shore A)	10 to 15 Shore A <i>Range: to</i>
Density	120 kg/m ³ <i>Range: 100 kg/m³ to 130 kg/m³</i> <i>Standard: DIN EN ISO 845</i>

Possibilities Material

Self adhesive	1 side, 2 sides, without
Most sold thicknesses	1, 2, 3, 4, 5, 6, 8, 10, 15, 20, 25, 30, 40, 50 mm
Minimum thickness	1 mm
Maximum thickness	100 mm
Non standard thicknesses	easily created by splitting blocks
Max width of rolls	1000 mm
Dimension sheet	1000 x 2000 mm

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Technical Properties Material

FMVSS302	compliant
Temperature	-40 °C to +80 °C intermittent +100 °C
Linear 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 uur (ISO 1431)
Compression set: 50%, 24h, 23 °C	17% (ASTM D 1056-07) <i>Limit: < 25%</i>
Compression set: 50%, 24h, 40 °C	43% (NF R 99211-80) <i>Limit: < 60%</i>
Tensile strength	420 kPa (DIN EN ISO 1798) <i>Limit: > 350 kPa</i>
Elongation	140% (DIN EN ISO 1798) <i>Limit: > 120%</i>
Tear resistance	1,4 kN/m (NFR 99211-80) <i>Limit: > 1 kN/m</i>
Maximum % of compression	50%

Applications, Standards

UV resistance	very good
Ozone resistance	very good
Application with oil	bad
Contact with copper and silver	corrosive
REACH	compliant
RoHS	compliant

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Recyclable	compliant
CFC and HCFC free	compliant
Shelf life	2 year(s)
HS code	40081100

Disclaimer

The published technical data is based on research data and serves as a guide for the various applications. Due to the great diversity of products and application possibilities, the buyer must test himself whether the intended material meets the requirements. All information is subject to typing errors, mistakes and market developments and no rights can be derived from this.