

ES02

EPDM



EPDM 60 SHEETING FOR TECHNICAL APPLICATIONS

FEATURES

60 Shore A EPDM.

APPLICATIONS

Gaskets or washers cutting and manufacturing of pieces for general industrial purpose applications in contact with water, oxidizing and non oxidizing diluted acids.

ADVANTAGES

- † Very good resistance to ozone and ageing
- † Excellent temperature resistance (-40/+120 °C)
- † Excellent resistance to most inorganic or corrosive chemical products
- † Highly resistant to mineral acids, detergents, phosphoric ethers, ketones, alcohols, or low molecular weight glycols
- † Very good performance with hot water or high pressure steam
- † Good mechanical properties
- † Matte finish to guarantee a good surface finished quality and to secure an easy unrolling.

BENEFITS

- † Service life
- † Performance
- † Safety

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

| Measured characteristics | | Standard | Value | |
|--|---|-------------------|-----------------------|-------------------|
| MECHANICAL | | | | |
| Rubber compound - black | | | EPDM | I |
| Density | | | 1.22 ±0.05 | g/cm ³ |
| Hardness | ASTM D2240 | | 60 ±5 | Shore A |
| Tensile strength | ISO 37 | | ≥10 | MPa |
| Elongation at break | ISO 37 | | ≥500 | % |
| Tear resistance | ISO 34-1 | | ≥30 | N/mm |
| Compression set after 22h at 70 °C | ISO 815-1 | | ≤20 | % |
| TEMPERATURE | | | | |
| Working temperature | | | -40/+120 | °C |
| AGEING | | | | |
| Δ Hardness after 72h at 100 °C | | ASTM D573 | ≤5 | Shore A |
| Δ Tensile strength after 72h at 100 °C | | ASTM D573 | ≤±10 | % |
| Δ Elongation at break after 72h at 100 °C | | ASTM D573 | ≤-30 | % |
| Ozone resistance, 200pphm, 96h, 30 °C, 20% | | ASTM D1149 type A | No crack | |
| CHEMICAL RESISTANCE | | | | |
| Diluted acids and bases | Concentrated acids and bases | Ozone | Oils and hydrocarbons | |
| Very good | Good | Very good | Non suitable | |
| IDENTIFICATION | | | | |
| Branding | Without. | | | |
| Packaging | Thickness ≤6mm rolled on cardboard tube Ø 80mm. Thickness >6mm in roll. | | | |
| Wrapping | Black polyethylene film. | | | |
| Labelling | Self-adhesive label indicating product name, dimensions, area in m ² , nominal weight, and product code to allow product traceability. | | | |

Unless typographical error, information and figures of our technical datasheet are based on our experience and laboratory tests according to international standards. This data is intended to be used as a guideline only. Material performance depends on the conditions of use and the final application.

| EPDM | | EPDM 60 SHEETING | | ES02 | |
|-----------------|-------------|------------------|-----------------------------|---------------------------|--|
| THICKNESS mm | WIDTH mm | LENGTH m | WEIGHT kg/m ² | SIDES FINISH | |
| 1±0.2 | 1400±2% | 20±2% | 1.29 | 1 SIDE SMOOTH/1 SIDE MATT | |
| 1.5±0.25 | 1400±2% | 15±2% | 1.94 | 1 SIDE SMOOTH/1 SIDE MATT | |
| 2±0.3 | 1400±2% | 15±2% | 2.58 | 1 SIDE SMOOTH/1 SIDE MATT | |
| 3±0.3 | 1400±2% | 10±2% | 3.67 | 1 SIDE SMOOTH/1 SIDE MATT | |
| 4±0.4 | 1400±2% | 10±2% | 5.16 | 1 SIDE SMOOTH/1 SIDE MATT | |
| 5±0.4 | 1400±2% | 10±2% | 6.45 | 1 SIDE SMOOTH/1 SIDE MATT | |
| 6±0.5 | 1400±2% | 10±2% | 7.74 | 1 SIDE SMOOTH/1 SIDE MATT | |
| 8±0.7 | 1400±2% | 5±2% | 10.4 | 1 SIDE SMOOTH/1 SIDE MATT | |
| 10±1.0 | 1400±2% | 5±2% | 12.9 | 1 SIDE SMOOTH/1 SIDE MATT | |

