



BF50 NBR



NITRILE SHEETING STANDARD LEVEL QUALITY

FEATURES

Standard NBR.

APPLICATIONS

Gaskets or washers cutting and manufacturing of pieces for general industrial purpose applications in contact with oils and hydrocarbons (swelling in IRM 903, 70 hours at 100 °C, Δ volume ≤30%).

No resistance to petrol, oxygenated fuel, domestic gas.

ADVANTAGES

- † Good resistance to non-aromatic hydrocarbons
- † Good ratio quality/price


BENEFITS

- † Reliability
- † Economy

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

| Measured characteristics | | Standard | Value | |
|--|--|----------|-----------------------|-------------------|
| MECHANICAL | | | | |
| Rubber compound - black | | | NBR | I |
| Density | | | 1.35 ±0.05 | g/cm ³ |
| Hardness | ASTM D2240 | | 65 ±5 | Shore A |
| Tensile strength | ISO 37 | | ≥5 | MPa |
| Elongation at break | ISO 37 | | ≥300 | % |
| Tear resistance | ISO 34-1 | | ≥17 | N/mm |
| Compression set after 22h at 70 °C | ISO 815-1 | | ≤40 | % |
| Compression set after 22h at 100 °C | ISO 815-1 | | ≤60 | % |
| TEMPERATURE | | | | |
| Working temperature | | | -25/+90 | °C |
| OIL RESISTANCE | | | | |
| Oil IRM 901, Δ volume after 70h at 70 °C | ISO 1817 | | <5 | % |
| Oil IRM 903, Δ volume after 70h at 70 °C | ISO 1817 | | ≤30 | % |
| CHEMICAL RESISTANCE | | | | |
| Diluted acids and bases | Concentrated acids and bases | Ozone | Oils and hydrocarbons | |
| Very good | Good | Medium | Good | |
| 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 m2, 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.

| NBR | NITRILE SHEETING | BF50 |  | | |
|------------------------|-------------------------|--------------------|---|---------------------|------------------------|
| THICKNESS mm | WIDTH mm | LENGTH m | WEIGHT kg/m ² | SIDES FINISH | OPTION (ply) |
| 1±0.2 | 1400±2% | 20±2% | 1.5 | 2 SMOOTH SIDES | |
| 1.5±0.25 | 1400±2% | 15±2% | 2.25 | 2 SMOOTH SIDES | |
| 2±0.3 | 1400±2% | 15±2% | 3 | 2 SMOOTH SIDES | 1P |
| 2±0.3 | 1400±2% | 15±2% | 3 | 2 SMOOTH SIDES | |
| 3±0.3 | 1400±2% | 10±2% | 4.5 | 2 SMOOTH SIDES | 1P |
| 3±0.3 | 1400±2% | 10±2% | 4.5 | 2 SMOOTH SIDES | |
| 4±0.4 | 1400±2% | 10±2% | 6 | 2 SMOOTH SIDES | 2P |
| 4±0.4 | 1400±2% | 10±2% | 6 | 2 SMOOTH SIDES | |
| 5±0.4 | 1400±2% | 10±2% | 7.5 | 2 SMOOTH SIDES | |
| 5±0.4 | 1400±2% | 10±2% | 7.5 | 2 SMOOTH SIDES | 2P |
| 6±0.5 | 1400±2% | 10±2% | 9 | 2 SMOOTH SIDES | |
| 8±0.7 | 1400±2% | 5±2% | 12 | 2 SMOOTH SIDES | |
| 10±1.0 | 1400±2% | 5±2% | 15 | 2 SMOOTH SIDES | |
| 12±1.0 | 1400±2% | 5±2% | 18 | 2 SMOOTH SIDES | |
| 15±1.0 | 1400±2% | 5±2% | 22.5 | 2 SMOOTH SIDES | |
| 20±1.4 | 1400±2% | 5±2% | 30 | 2 SMOOTH SIDES | |

