



BS08

NBR



NITRILE 70 SHEETING FOR TECHNICAL APPLICATIONS

FEATURES

High grade 70 Shore A NBR.

APPLICATIONS

Gaskets or washers cutting and manufacturing of pieces for general industrial purpose applications in contact with:

- mineral oils
- hydrocarbons

ADVANTAGES

- Excellent oil and grease resistance (maximum temperature +100 °C)
- Excellent hydrocarbons resistance (aromatics content less than 30% and maximum temperature +20 °C)
- Antistatic sheeting (2.10⁴Ωxm) (IEC 93)
- Matte finish to guarantee a good surface finished quality and to secure an easy unrolling.


BENEFITS

- Reliability
- Safety
- Performance

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

| Measured characteristics | | Standard | Value | |
|--------------------------|--|------------|-----------------------|---------|
| MECHANICAL | | | | |
| Rubber compound - black | | | NBR | I |
| | Density | | 1.30 ±0.05 | g/cm³ |
| | Hardness | ASTM D2240 | 70 ±5 | Shore A |
| | Tensile strength | ISO 37 | ≥10 | MPa |
| | Elongation at break | ISO 37 | ≥250 | % |
| | Tear resistance | ISO 34-1 | ≥30 | N/mm |
| | Compression set after 24h at 70 °C | ISO 815-1 | ≤15 | % |
| | Compression set after 24h at 100 °C | ISO 815-1 | ≤20 | % |
| TEMPERATURE | | | | |
| | Working temperature | | -30/+100 | °C |
| AGEING | | | | |
| | Δ Hardness after 72h at 100 °C | ASTM D573 | ≤10 | Shore A |
| | Δ Tensile strength after 72h at 100 °C | ASTM D573 | ±5 | % |
| | Δ Elongation at break after 72h at 100 °C | ASTM D573 | ≤-35 | % |
| OIL RESISTANCE | | | | |
| | Oil IRM 901, Δ volume after 72h at 100 °C | ISO 1817 | ≤-16 | % |
| | Oil IRM 903, Δ volume after 72h at 100 °C | ISO 1817 | ±5 | % |
| CHEMICAL RESISTANCE | | | | |
| Diluted acids and bases | Concentrated acids and bases | Ozone | Oils and hydrocarbons | |
| Very good | Good | Medium | Very 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.

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|-----------------|--|---------------------|--|-------------|--|---|--|---------------------------|
| THICKNESS mm | | WIDTH mm | | LENGTH m | | WEIGHT kg/m ² | | SIDES FINISH |
| 1±0.2 | | 1400±2 % | | 20±2 % | | 1.3 | | 2 SIDES MATT |
| 1.5±0.25 | | 1400±2 % | | 15±2 % | | 1.94 | | 2 SIDES MATT |
| 2±0.3 | | 1400±2 % | | 15±2 % | | 2.5 | | 2 SIDES MATT |
| 3±0.3 | | 1400±2 % | | 10±2 % | | 3.6 | | 2 SIDES MATT |
| 4±0.4 | | 1400±2 % | | 10±2 % | | 5 | | 2 SIDES MATT |
| 5±0.4 | | 1400±2 % | | 10±2 % | | 6.45 | | 1 SIDE SMOOTH/1 SIDE MATT |
| 6±0.5 | | 1400±2 % | | 10±2 % | | 7.82 | | 1 SIDE SMOOTH/1 SIDE MATT |
| 8±0.7 | | 1400±2 % | | 5±2 % | | 10.42 | | 1 SIDE SMOOTH/1 SIDE MATT |
| 10±1.0 | | 1400±2 % | | 5±2 % | | 12.9 | | 1 SIDE SMOOTH/1 SIDE MATT |

