

B571 NBR



NITRILE SHEETING WHITE FOOD QUALITY

FEATURES

NBR, white, food grade, meeting regulation (EC) 1935/2004 (European legislation) and FDA classification (American legislation).

REGULATIONS

- Meeting european regulations (EC) n.1935/2004 and 2023/2006.
- The material is in compliance with FDA 21 CFR Part. 177. Indirect Food Additives: Polymers.
- Sec 177.2600. Rubber articles intended for repeated use for contact with aqueous food and with fatty food.
- IANESCO certificate (Institut français de Poitiers).
- Quality certificate available under request.

APPLICATIONS

Gaskets or washers cutting and manufacturing of pieces for general industrial purpose applications in contact with fatty food products, especially vegetable fats.

ADVANTAGES

- Very good oil, animal and vegetable fats resistance
- Good low temperature resistance
- Good high temperature resistance
- Good ratio quality/price

BENEFITS

- Performance
- Legality
- Hygiene, cleanliness
- Food safety
- Economy


MAINTENANCE RECOMMENDATION

Always follow manufacturer warnings and instructions when using any cleaning product.

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

| Measured characteristics | | Standard | Value | |
|----------------------------|--|------------|-----------------------|-------------------|
| MECHANICAL | | | | |
| Rubber compound - white | | | NBR | |
| | Density | | 1.44 ±0.05 | g/cm ³ |
| | Hardness | ASTM D2240 | 65 ±5 | Shore A |
| | Tensile strength | ISO 37 | ≥10 | MPa |
| | Elongation at break | ISO 37 | ≥500 | % |
| | Tear resistance | ISO 34-1 | ≥20 | N/mm |
| | Compression set after 22h at 70 °C | ISO 815-1 | ≤35 | % |
| TEMPERATURE | | | | |
| | Working temperature | | -35/+110 | °C |
| AGEING | | | | |
| | Δ Hardness after 70h at 70 °C | ASTM D573 | ≤5 | Shore A |
| | Δ Tensile strength after 70h at 70 °C | ASTM D573 | ≤-10 | % |
| | Δ Elongation at break after 70h at 70 °C | ASTM D573 | ≤-20 | % |
| OIL RESISTANCE | | | | |
| | Huile IRM 901, Δ volume after 70h at 70 °C | ISO 1817 | ≤5 | % |
| | Huile IRM 903, Δ volume after 70h at 70 °C | ISO 1817 | ≤20 | % |
| 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 | White 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 | B571 |  | | |
|-----------------|------------------|-------------|---|----------------|--|
| THICKNESS mm | WIDTH mm | LENGTH m | WEIGHT kg/m ² | SIDES FINISH | |
| 1±0.2 | 1400±2% | 20±2% | 1.45 | 2 SMOOTH SIDES | |
| 1.5±0.25 | 1400±2% | 15±2% | 2.17 | 2 SMOOTH SIDES | |
| 2±0.3 | 1400±2% | 15±2% | 2.89 | 2 SMOOTH SIDES | |
| 3±0.3 | 1400±2% | 10±2% | 4.34 | 2 SMOOTH SIDES | |
| 4±0.4 | 1400±2% | 10±2% | 5.78 | 2 SMOOTH SIDES | |
| 5±0.4 | 1400±2% | 10±2% | 7.23 | 2 SMOOTH SIDES | |
| 6±0.5 | 1400±2% | 10±2% | 8.67 | 2 SMOOTH SIDES | |
| 8±0.7 | 1400±2% | 5±2% | 11.41 | 2 SMOOTH SIDES | |
| 10±1.0 | 1400±2% | 5±2% | 14.3 | 2 SMOOTH SIDES | |

