

R499

NR



NR SHEETING HIGH PERFORMANCE

FEATURES

Natural rubber, para quality, translucent, with excellent mechanical properties.

APPLICATIONS

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

- maximum temperature 50 °C: water, water washing, alkaline and salt solutions, acids and oxidizing non oxidizing, alkali base concentration ≤50%, non food alcohol
- maximum temperature 20 °C: acetones

Cutting into skirtboard and scrappers for conveyors belts, rubber sleeves, etc.

Mineral processing equipment linings, such as operating cyclones, hydrocyclones and sand treatment processes.

ADVANTAGES

- ▮ Good properties to support high mechanical strains
- ▮ Great elasticity allowing important deformations
- ▮ Resistance to fine grained particles wear projection (sand, blasting)
- ▮ Good electrical properties
- ▮ Good resistance to acids, bases and salts
- ▮ Good ratio quality/price

BENEFITS

- ▮ Functionality
- ▮ Comfort
- ▮ Service life
- ▮ Economy

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

| Measured characteristics | | Standard | Value | |
|--------------------------|------------------------------------|------------|------------|-------------------|
| MECHANICAL | | | | |
| Rubber compound - Blond | | | NR | |
| | Density | | 1.00 ±0.05 | g/cm ³ |
| | Hardness | ASTM D2240 | 43 ±5 | Shore A |
| | Tensile strength | ISO 37 | ≥25 | MPa |
| | Elongation at break | ISO 37 | ≥650 | % |
| | Tear resistance | ISO 34-1 | ≥30 | N/mm |
| | Abrasion resistance (5N) | ISO 4649 | ≤70 | mm ³ |
| | Compression set after 24h at 70 °C | ISO 815-1 | ≤30 | % |

TEMPERATURE

| | | | |
|---------------------|--|---------|----|
| Working temperature | | -40/+85 | °C |
|---------------------|--|---------|----|

AGEING

| | | | |
|--|-----------|------|---------|
| Δ Hardness after 70h at 70 °C | ASTM D573 | ≤5 | Shore A |
| Δ Tensile strength after 70h at 70 °C | ASTM D573 | ≤-15 | % |
| Δ Elongation at break after 70h at 70 °C | ASTM D573 | ≤-20 | % |


CHEMICAL RESISTANCE

| Diluted acids and bases | Concentrated acids and bases | Ozone | Oils and hydrocarbons |
|-------------------------|------------------------------|--------|-----------------------|
| Very good | Good | Medium | 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.

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|-----------------|-------------|-------------|---|----------------|--|
| THICKNESS mm | WIDTH mm | LENGTH m | WEIGHT kg/m ² | SIDES FINISH | |
| 1±0.2 | 1400±2% | 20±2% | 1 | 2 SMOOTH SIDES | |
| 1.5±0.25 | 1400±2% | 15±2% | 1.5 | 2 SMOOTH SIDES | |
| 2±0.3 | 1400±2% | 15±2% | 2 | 2 SMOOTH SIDES | |
| 3±0.3 | 1400±2% | 10±2% | 3 | 2 SMOOTH SIDES | |
| 4±0.4 | 1400±2% | 10±2% | 4 | 2 SMOOTH SIDES | |
| 5±0.4 | 1400±2% | 10±2% | 5 | 2 SMOOTH SIDES | |
| 6±0.5 | 1400±2% | 10±2% | 6 | 2 SMOOTH SIDES | |
| 8±0.7 | 1400±2% | 10±2% | 8 | 2 SMOOTH SIDES | |
| 10±1.0 | 1400±2% | 10±2% | 10 | 2 SMOOTH SIDES | |

