R490 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
- Very good mechanical properties (tensile strength, tear resistance,etc.) and at the same time, easy material to work with
- 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 - beige		NR	
Density		1.05 ±0.05	g/cm³
Hardness	ASTM D2240	45 ±5	Shore A
Tensile strength	ISO 37	≥16	MPa
Elongation at break	ISO 37	≥600	%
Tear resistance	ISO 34-1	≥25	N/mm
Abrasion resistance (5N)	ISO 4649	≤80	mm³
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 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/m²	SIDES FINISH
1 ±0.2	1400 ± 2 %	20 ± 2 %	1.05	2 SMOOTH SIDES
1.5 ±0.25	1400 ± 2 %	15 ± 2 %	1.56	2 SMOOTH SIDES
2 ±0.3	1400 ± 2 %	15 ± 2 %	2.1	2 SMOOTH SIDES
3 ±0.3	1400 ± 2 %	10 ± 2 %	3.12	2 SMOOTH SIDES
4 ±0.4	1400 ± 2 %	10 ± 2 %	4.15	2 SMOOTH SIDES
5 ±0.4	1400 ± 2 %	10 ± 2 %	5.19	2 SMOOTH SIDES
6 ±0.5	1400 ± 2 %	10 ± 2 %	6.23	2 SMOOTH SIDES
8 ±0.7	1400 ± 2 %	5 ± 2 %	8.24	2 SMOOTH SIDES
10 ±1.0	1400 ± 2 %	5 ± 2 %	10.3	2 SMOOTH SIDES
12 ±1.0	1400 ± 2 %	5 ± 2 %	12.36	2 SMOOTH SIDES
15 ±1.0	1400 ± 2 %	5 ± 2 %	15.6	2 SMOOTH SIDES
20 ±1.4	1400 ± 2 %	5 ± 2 %	20.88	2 SMOOTH SIDES
25 ±1.75	1400 ± 2 %	5 ± 2 %	25.75	2 SMOOTH SIDES

TRELLEBORG