

R490 NR



NR SHEETING HIGH PERFORMANCE

Caractéristiques

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

Bénéfices

- Functionality
- Comfort
- Service life
- Economy

PROPRIETES MECANIQUES ET PHYSICO CHIMIQUES

Caractéristiques mesurées	Norme de référence	Valeur	
MECANIQUES			
Elastomère - beige		NR	
Densité		1.05 ±0.05	g/cm ³
Dureté	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
Résistance à l'abrasion (5N)	ISO 4649	≤80	mm ³
Compression set after 24h à 70 °C	ISO 815-1	≤30	%

TEMPERATURE

Température d'utilisation		-40/+85	°C
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VIEILLISSEMENT


Dureté après 70h à 70 °C	ASTM D573	≤5	Shore A
Rr/Rr après 70h à 70 °C	ASTM D573	≤15	%
Ar/Ar après 70h à 70 °C	ASTM D573	≤20	%

Résistance Chimique

Acides et bases dilués	Acides et bases concentrés	Ozone	Huiles et Hydrocarbures
Very good	Good	Medium	Non suitable

Identification

Marquage	Without.
Conditionnement	Thickness ≤6mm rolled on cardboard tube Ø 80mm. Thickness >6mm in roll.
Emballage	Black polyethylene film.
Etiquetage	Self-adhesive label indicating product name, dimensions, area in m ² , nominal weight, and product code to allow product traceability.
Identification	

NR	NR SHEETING	R490			
EPAISSEUR mm	LARGEUR mm	LONGEUR m	WEIGHT kg/m ²	ASPECT	
1±0.2	1400±2%	20±2%	1.05	LFODD	
1.5±0.25	1400±2%	15±2%	1.56	LFODD	
2±0.3	1400±2%	15±2%	2.1	LFODD	
3±0.3	1400±2%	10±2%	3.12	LFODD	
4±0.4	1400±2%	10±2%	4.15	LFODD	
5±0.4	1400±2%	10±2%	5.19	LFODD	
6±0.5	1400±2%	10±2%	6.23	LFODD	
8±0.7	1400±2%	5±2%	8.24	LFODD	
10±1.0	1400±2%	5±2%	10.3	LFODD	
12±1.0	1400±2%	5±2%	12.36	LFODD	
15±1.0	1400±2%	5±2%	15.6	LFODD	
20±1.4	1400±2%	5±2%	20.88	LFODD	
25±1.75	1400±2%	5±2%	25.75	LFODD	

