



REDEFINE + NR

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HIGH WEAR SHEETING: FINE GRAIN SIZE MATERIAL

FEATURES

Wear resistant natural rubber, red.

ADVANTAGES

- Excellent mechanical properties: tensile strength, elongation at break, tear resistance, abrasion, etc.
- Excellent resistance to fine grain size products projection and fretting wear: sand, shot blasting, fine particles, abrasive dust, etc.
- Great flexibility and resilience
- Corrosion protection
- Noise and vibration propagation reduction
- Possibility to be produced with bonding layer for cold vulcanizing or with steel backing for mechanical fixing

BENEFITS

- Performance
- Economy: reduce downtime and maintenance costs
- Long service life: lower hourly costs
- Safety
- Reliability

APPLICATIONS

Hoppers, chutes, operating cyclones, hydrocyclones, vibrating lines, extraction pump bodies, tanks, silos, etc., linings to protect equipment against very abrasive fine grain size products wear, due to their very nature (rock, wood, metal, all fine particle size materials, chemical products, etc.), density and hardness (medium to high), forms (fine particles, bulks, etc.), with dry conditions and maximum temperature 70 °C.

Hanging panels fostering materials cleaning and removal.

Areas of activity: sand and gravel quarries, aggregate and cement industries, concrete plants, etc.

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MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

	Measured characteristics	Standard	Value	
MECHANICAL				
	Rubber compound - red		NR R397	
	Density		0.95 ± 0.05	g/cm ³
	Hardness	ASTM D2240	35 ± 5	Shore A
	Tensile strength	ISO 37	≥ 24	MPa
	Elongation at break	ISO 37	≥ 700	%
	Tear resistance	ISO 34-1	≥ 30	N/mm
	Abrasion resistance (5 N)	ISO 4649	≤ 60	mm ³
	Compression set after 22 h at 70 °C	ISO 815-1	≤ 30	%
TEMPERATURE				
	Working temperature		- 40/+ 80	°C
AGEING				
	Δ Hardness after 70 h at 70 °C	ASTM D573	≤ 5	Shore A
	Δ Tensile strength after 70 h at 70 °C	ASTM D573	≤ - 15	%
	Δ Elongation at break after 70 h at 70 °C	ASTM D573	≤ - 25	%
CHEMICAL RESISTANCE				
	Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons
	Good	Medium	Medium	Non suitable

DIMENSIONS

Thickness (mm)	Width (mm)	Length (m)	Weight (kg/m ²)	Sides finish	Option (bonding layer)	
3	± 0.3	1400 ± 2 %	10 ± 2 %	2.85	2 smooth sides	
4	± 0.4	1400 ± 2 %	10 ± 2 %	3.80	2 smooth sides	
5	± 0.4	1500 ± 2 %	6 ± 2 %	4.75	2 sides matt	
6	± 0.5	1500 ± 2 %	6 ± 2 %	5.70	2 sides matt	
8	± 0.7	1500 ± 2 %	6 ± 2 %	7.60	2 sides matt	
10	± 1.0	1500 ± 2 %	6 ± 2 %	9.50	2 sides matt	
12	± 1.0	1500 ± 2 %	6 ± 2 %	11.40	2 sides matt	
15	± 1.0	1500 ± 2 %	6 ± 2 %	14.25	2 sides matt	
20	± 1.4	1500 ± 2 %	6 ± 2 %	19.00	2 sides matt	
25	± 1.75	1500 ± 2 %	6 ± 2 %	23.75	2 sides matt	

IDENTIFICATION

Branding	Without.
Packaging	Thickness ≤ 6 mm rolled on cardboard tube Ø 80 mm. Thickness > 6 mm in roll. Bonding layer internal side protected by a white polypropylene film, easily removable by hand.
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.