



# REDFINE + NR

red | density 0.95 | hardness 35

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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	
<b>MECHANICAL</b>				
	Rubber compound		NR R397	
	Density		0.95 ± 0.05	g/cm <sup>3</sup>
	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 <sup>3</sup>
	Compression set after 22 h at 70 °C	ISO 815-1	≤ 30	%

<b>TEMPERATURE</b>				
	Working temperature		- 40/+ 80	°C

<b>AGEING</b>				
	Δ Hardness after 70 h at 70 °C	ASTM D573	≤ 5	Shore A
	Δ Tensile strenght after 70 h at 70 °C	ASTM D573	≤ - 15	%
	Δ Elongation at break after 70 h at 70 °C	ASTM D573	≤ - 25	%

<b>CHEMICAL RESISTANCE</b>					
Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons		
<b>Good</b>	<b>Medium</b>	<b>Medium</b>	<b>Non suitable</b>		

<b>DIMENSIONS</b>								
Thickness (mm)		Width (mm)		Length (m)		Weight (kg/m <sup>2</sup> )	Pattern	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 smooth sides	
6	± 0.5	1500	± 2 %	6	± 2 %	5.70	2 sides matt	BL
8	± 0.7	1500	± 2 %	6	± 2 %	7.60	2 sides matt	BL
10	± 1.0	1500	± 2 %	6	± 2 %	9.50	2 sides matt	BL
12	± 1.0	1500	± 2 %	6	± 2 %	11.40	2 sides matt	BL
15	± 1.0	1500	± 2 %	6	± 2 %	14.25	2 sides matt	BL
20	± 1.4	1500	± 2 %	6	± 2 %	19.00	2 sides matt	BL
25	± 1.75	1500	± 2 %	6	± 2 %	23.75	2 sides matt	BL

<b>IDENTIFICATION</b>	
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 <sup>2</sup> , nominal weight, and product code to allow product traceability.