

# REDFINE + NR



## HIGH WEAR SHEETING FINE GRAIN SIZE MATERIAL

### FEATURES

Wear resistant natural rubber, red.

### 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.

### 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

## MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

	Measured characteristics	Standard	Value	
<b>MECHANICAL</b>				
	Rubber compound - red		NR	R397
	Density		0.95 ±0.05	g/cm <sup>3</sup>
	Hardness	ASTM D2240	35 ±5	Shore A
	Tensile strength	ISO 37	≥25	MPa
	Elongation at break	ISO 37	≥700	%
	Tear resistance	ISO 34-1	≥30	N/mm
	Abrasion resistance (5N)	ISO 4649	≤60	mm <sup>3</sup>
	Compression set after 22h at 70 °C	ISO 815-1	≤30	%

### TEMPERATURE

	Working temperature		-40/+80	°C
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### 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
Good	Medium	Medium	Non suitable

### IDENTIFICATION

Branding	Without.
Packaging	Thickness ≤6mm rolled on cardboard tube Ø 80mm. Thickness >6mm 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.

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.

NR	HIGH WEAR SHEETING	REDFINE +			
THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m <sup>2</sup>	SIDES FINISH	OPTION (BL = bonding layer)
3±0.3	1400±2%	10±2%	2.83	2 SMOOTH SIDES	
4±0.4	1400±2%	10±2%	3.78	2 SMOOTH SIDES	
5±0.4	1500±2%	10±2%	5.06	1 SIDE SMOOTH/1 SIDE BONDING LAYER	BL
5±0.4	1500±2%	10±2%	4.73	2 SIDES MATT	
6±0.5	1500±2%	10±2%	5.7	1 SIDE MATT/1 SIDE BONDING LAYER	BL
6±0.5	1500±2%	10±2%	5.7	2 SIDES MATT	
8±0.7	1500±2%	10±2%	7.9	1 SIDE MATT/1 SIDE BONDING LAYER	BL
8±0.7	1500±2%	10±2%	7.56	2 SIDES MATT	
10±1.0	1500±2%	10±2%	9.79	1 SIDE MATT/1 SIDE BONDING LAYER	BL
10±1.0	1500±2%	10±2%	9.45	2 SIDES MATT	
12±1.0	1500±2%	6±2%	12.07	1 SIDE MATT/1 SIDE BONDING LAYER	BL
12±1.0	1500±2%	6±2%	11.34	2 SIDES MATT	
15±1.0	1500±2%	6±2%	14.72	1 SIDE MATT/1 SIDE BONDING LAYER	BL
15±1.0	1500±2%	6±2%	14.18	2 SIDES MATT	
20±1.4	1500±2%	6±2%	19.44	1 SIDE MATT/1 SIDE BONDING LAYER	BL
20±1.4	1500±2%	6±2%	18.9	2 SIDES MATT	
25±1.75	1500±2%	6±2%	24.07	1 SIDE MATT/1 SIDE BONDING LAYER	BL
25±1.75	1500±2%	6±2%	23.63	2 SIDES MATT	

