

# BLACKFINE NR



## MEDIUM WEAR SHEETING FINE GRAIN SIZE MATERIAL

### FEATURES

Wear resistant natural rubber, black.

### APPLICATIONS

Hoppers, chutes, operating cyclones, vibrating lines, 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), with dry conditions and maximum temperature +70°C.

Manufacturing of rubber skirts.

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.
- † 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
- † Safety
- † Reliability
- † Service life

### MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

	Measured characteristics	Standard	Value	
<b>MECHANICAL</b>				
	Rubber compound - black		NR	R353
	Density		1.00 ±0.05	g/cm <sup>3</sup>
	Hardness	ASTM D2240	40 ±5	Shore A
	Tensile strength	ISO 37	≥20	MPa
	Elongation at break	ISO 37	≥650	%
	Tear resistance	ISO 34-1	≥20	N/mm
	Abrasion resistance (5N)	ISO 4649	≤80	mm <sup>3</sup>
	Compression set after 22h at 70 °C	ISO 815-1	≤25	%

### TEMPERATURE

	Working temperature		-40/+70	°C
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### AGEING

	Δ Hardness after 168h at 70 °C	ASTM D573	≤5	Shore A
	Δ Tensile strength after 168h at 70 °C	ASTM D573	≤15	%
	Δ Elongation at break after 168h at 70 °C	ASTM D573	≤25	%


### CHEMICAL RESISTANCE

Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons
Very good	Good	Good	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 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	MEDIUM WEAR SHEETING	BLACKFINE			
THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m <sup>2</sup>	SIDES FINISH	
2±0.3	1400±2%	15±2%	2.02	2 SMOOTH SIDES	
3±0.3	1400±2%	10±2%	3.01	2 SMOOTH SIDES	
4±0.4	1400±2%	10±2%	4.04	2 SMOOTH SIDES	
5±0.4	1400±2%	10±2%	5.05	2 SMOOTH SIDES	
6±0.5	1400±2%	10±2%	6	2 SMOOTH SIDES	
8±0.7	1400±2%	10±2%	8.08	2 SMOOTH SIDES	
10±1.0	1400±2%	10±2%	10.1	2 SMOOTH SIDES	
12±1.0	1400±2%	5±2%	12.11	2 SMOOTH SIDES	
15±1.0	1400±2%	5±2%	15	2 SMOOTH SIDES	
20±1.4	1400±2%	5±2%	20	2 SMOOTH SIDES	
25±1.75	1400±2%	5±2%	25.24	2 SMOOTH SIDES	

