



BLACKROCK NR



MEDIUM WEAR SHEETING ROUND GRAIN MATERIAL

FEATURES

Natural rubber, black, 60 Shore A, with good abrasion resistance.

APPLICATIONS

Hoppers, chutes, etc., linings to protect equipment subject to medium wear due to working conditions (for example, moisture), composition (for example, high percentage of fine grain size products), shape or nature of the products.

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

ADVANTAGES

- ▮ Good shock impact, tear, and abrasion resistance
- ▮ Good heat and ageing resistance
- ▮ Noise and vibration propagation reduction
- ▮ Protection against corrosion
- ▮ Good ratio quality/price
- ▮ Possibility to be produced with bonding layer for cold vulcanizing or with steel backing for mechanical fixing

BENEFITS

- ▮ Reliability
- ▮ Economy
- ▮ Safety

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics		Standard	Value	
MECHANICAL				
Rubber compound - black			NR	R698
	Density		1.14 ±0.05	g/cm³
	Hardness	ASTM D2240	60 ±5	Shore A
	Tensile strength	ISO 37	≥16	MPa
	Elongation at break	ISO 37	≥450	%
	Tear resistance	ISO 34-1	≥40	N/mm
	Abrasion resistance (10N)	ISO 4649	≤120	mm³
	Compression set after 22h at 70 °C	ISO 815-1	≤35	%
TEMPERATURE				
	Working temperature		-40/+85	°C
AGEING				
	Δ Hardness after 70h at 70 °C	ASTM D573	≤5	Shore A
	Δ Tensile strength after 70h at 70 °C	ASTM D573	±10	%
	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 m², 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	BLACKROCK			
THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m ²	SIDES FINISH	OPTION (BL = bonding layer)
2±0.3	1400±2%	15±2%	2.4	2 SMOOTH SIDES	
3±0.3	1400±2%	10±2%	3.59	2 SMOOTH SIDES	
4±0.4	1500±2%	10±2%	4.78	2 SIDES MATT	
5±0.4	1500±2%	10±2%	5.98	2 SIDES MATT	
6±0.5	1500±2%	10±2%	7.36	1 SIDE MATT/1 SIDE BONDING LAYER	BL
6±0.5	1500±2%	10±2%	7.18	2 SIDES MATT	
8±0.7	1500±2%	10±2%	9.75	1 SIDE MATT/1 SIDE BONDING LAYER	BL
8±0.7	1500±2%	10±2%	9.57	2 SIDES MATT	
10±1.0	1500±2%	10±2%	12.14	1 SIDE MATT/1 SIDE BONDING LAYER	BL
10±1.0	1500±2%	10±2%	11.96	2 SIDES MATT	
12±1.0	1500±2%	10±2%	14.35	2 SIDES MATT	
15±1.0	1500±2%	6±2%	18.12	1 SIDE MATT/1 SIDE BONDING LAYER	BL
15±1.0	1500±2%	10±2%	17.94	2 SIDES MATT	
20±1.4	1500±2%	6±2%	23.98	1 SIDE MATT/1 SIDE BONDING LAYER	BL
20±1.4	1500±2%	10±2%	24.04	2 SIDES MATT	
25±1.75	1500±2%	6±2%	30.14	2 SIDES MATT	

