

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/cm ³
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	mm ³
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 m ² , 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)
			1±0.2	1400±2%	20±2%	1.2	2 SMOOTH SIDES	
			1.5±0.25	1400±2%	15±2%	1.79	2 SMOOTH SIDES	
			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%	6±2%	14.53	1 SIDE MATT/1 SIDE BONDING LAYER	BL
			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%	30.08	1 SIDE MATT/1 SIDE BONDING LAYER	BL
			25±1.75	1500±2%	6±2%	30.14	2 SIDES MATT	

