



# BLACKHARD NR



## MEDIUM WEAR SHEETING ROUND GRAIN MATERIAL

### FEATURES

Natural rubber, black, 80 Shore A, wear resistant.

### APPLICATIONS

Snow ploughs.

Mechanical fixing with bolts and profiles.

Areas of activity: sewerage, roadworks, waste management, agricultural industries, forestry operations.

### ADVANTAGES

- ▮ Good shock impact, tear, and abrasion resistance
- ▮ Good heat and ageing resistance
- ▮ Noise and vibration propagation reduction
- ▮ Protection against corrosion
- ▮ High rigidity combined with high flexibility ensuring a perfect reinforcement of the rubber blade and a low noise operation when used for snow ploughs application

### BENEFITS

- ▮ Efficiency
- ▮ Safety
- ▮ Comfort
- ▮ Reliability

### MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics		Standard	Value	
<b>MECHANICAL</b>				
Rubber compound - black			NR	R847
	Density		1.15 ±0.05	g/cm <sup>3</sup>
	Hardness	ASTM D2240	80 ±5	Shore A
	Tensile strength	ISO 37	≥15	MPa
	Elongation at break	ISO 37	≥240	%
	Tear resistance	ISO 34-1	≥30	N/mm
	Abrasion resistance (10N)	ISO 4649	≤120	mm <sup>3</sup>
	Compression set after 22h at 70 °C	ISO 815-1	≤40	%

### TEMPERATURE

Working temperature		-40/+80	°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
Good	Medium	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	BLACKHARD					
			THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m <sup>2</sup>	SIDES FINISH
			8±0.7	1400 ± 2 %	10 ± 2 %	9.32	2 SMOOTH SIDES
			10±1.0	1400 ± 2 %	10 ± 2 %	11.65	2 SMOOTH SIDES

