



# BLACKHARD NR

black | density 1.15 | hardness 80

03/07/2014

## MEDIUM WEAR SHEETING: ROUND GRAIN MATERIAL



### FEATURES

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

### 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

### APPLICATIONS

Snow ploughs.

Mechanical fixing with bolts and profiles.

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

[www.trelleborg.com/elastomerlaminates](http://www.trelleborg.com/elastomerlaminates)

## MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

	Measured characteristics	Standard	Value	
<b>MECHANICAL</b>				
	Rubber compound		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 (10 N)	ISO 4649	≤ 120	mm <sup>3</sup>
	Compression set after 22 h at 70 °C	ISO 815-1	≤ 40	%

<b>TEMPERATURE</b>				
	Working temperature		- 40/+ 80	°C

<b>AGEING</b>				
	Δ Hardness after 168 h at 70 °C	ASTM D573	≤ 5	Shore A
	Δ Tensile strength after 168 h at 70 °C	ASTM D573	≤ - 15	%
	Δ Elongation at break after 168 h at 70 °C	ASTM D573	≤ - 25	%

<b>CHEMICAL RESISTANCE</b>				
Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons	
<b>Good</b>	<b>Medium</b>	<b>Good</b>	<b>Non suitable</b>	

<b>DIMENSIONS</b>							
Thickness (mm)		Width (mm)		Length (m)		Weight (kg/m <sup>2</sup> )	Pattern
8	± 0.7	1400	± 2 %	10	± 2 %	9.20	2 smooth sides
10	± 1.0	1400	± 2 %	10	± 2 %	11.50	2 smooth sides
12	± 1.0	1400	± 2 %	5	± 2 %	13.80	2 smooth sides

<b>IDENTIFICATION</b>	
Branding	Without.
Packaging	Thickness ≤ 6 mm rolled on cardboard tube Ø 80 mm. Thickness > 6 mm 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.