

BLACKHARD NR

16/07/2014



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

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

	Measured characteristics	Standard	Value
MECHANICAL			
	Rubber compound - black		NR R847 
	Density		1.15 ± 0.05 g/cm ³
	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 ³
	Compression set after 22 h at 70 °C	ISO 815-1	≤ 40 %
TEMPERATURE			
	Working temperature		- 40/+ 80 °C
AGEING			
	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 %
CHEMICAL RESISTANCE			
Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons
Good	Medium	Good	Non suitable

DIMENSIONS

Thickness (mm)		Width (mm)		Length (m)		Weight (kg/m ²)	Sides finish
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

IDENTIFICATION

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 ² , nominal weight, and product code to allow product traceability.