BLACKDUST NR



SPECIAL WEAR SHEETING DUST SEALING

FEATURES
Black natural rubber, with excellent mechanical properties, especially elasticity, ozone and abrasion resistance.

APPLICATIONS
Sealing of screening systems, conveyor belts, and other dust-generating equipments.

Areas of activity: manufacturing of concrete, limestone, chalk, etc.

ADVANTAGES
- Environmental protection, reducing the spread of dust and soot
- Less wear of mechanical surrounding parts
- Simplicity of assembly process: fixing with standardised bars and elbows (inside diameter 14mm, outside diameter 31mm)

BENEFITS
- Quality of working conditions
- Safety
- Service life
- Cleanliness
- Time saving

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics	Standard	Value	
MECHANICAL			
Rubber compound - black		NR R431	l
Density		1.03 ±0.05	g/cm³
Hardness	ASTM D2240	45 ±5	Shore A
Tensile strength	ISO 37	≥16	MPa
Elongation at break	ISO 37	≥600	%
Tear resistance	ISO 34-1	≥27	N/mm
Abrasion resistance (5N)	ISO 4649	≤90	mm³
Compression set after 22h at 70°C	ISO 815-1	≤35	%
TEMPERATURE			
Working temperature		-50/+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	≤-15	%
Δ Elongation at break after 70h at 70°C	ASTM D573	≤-25	%

CHEMICAL RESISTANCE

Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons
Very 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 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	SPECIAL WEAR SHEETING	BLACKDUST	

THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m²	SIDES FINISH
2 ±0.3	1400 ± 2 %	20 ± 2 %	2.06	2 SIDES CLOTH FINISH

TRELLEBORG