

BLACKDUST NR



SPECIAL WEAR SHEETING: DUST SEALING

FEATURES

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

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 14 mm, outside diameter 31 mm)

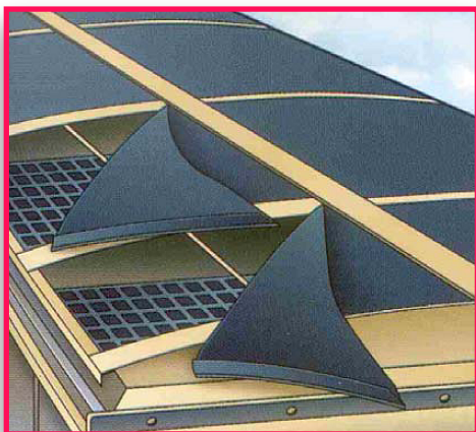
BENEFITS

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

APPLICATIONS

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

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



MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics		Standard	Value	
MECHANICAL				
<i>Rubber compound - black</i>			NR R431	
<i>Density</i>			1.03 ± 0.05	g/cm ³
<i>Hardness</i>		ASTM D2240	45 ± 5	Shore A
<i>Tensile strength</i>		ISO 37	≥ 16	MPa
<i>Elongation at break</i>		ISO 37	≥ 600	%
<i>Tear resistance</i>		ISO 34-1	≥ 27	N/mm
<i>Abrasion resistance (5 N)</i>		ISO 4649	≤ 90	mm ³
<i>Compression set after 22 h at 70 °C</i>		ISO 815-1	≤ 35	%
TEMPERATURE				
<i>Working temperature</i>			- 50/+ 85	°C
AGEING				
<i>Δ Hardness after 70 h at 70 °C</i>		ASTM D573	≤ 5	Shore A
<i>Δ Tensile strenght after 70 h at 70 °C</i>		ASTM D573	≤ - 15	%
<i>Δ Elongation at break after 70 h at 70 °C</i>		ASTM D573	≤ - 25	%
CHEMICAL RESISTANCE				
<i>Diluted acids and bases</i>	<i>Concentrated acids and bases</i>	<i>Ozone</i>	<i>Oils and hydrocarbons</i>	
Very good	Medium	Good	Non suitable	

DIMENSIONS

Thickness (mm)	Width (mm)	Length (m)	Weight (kg/m ²)	Sides finish
2 ± 0.3	1400 ± 2 %	20 ± 2 %	2.06	2 sides cloth finish

Also in stock at Narviflex : 3 mm (both sides smooth)

IDENTIFICATION

<i>Branding</i>	Without.
<i>Packaging</i>	Thickness ≤ 6 mm rolled on cardboard tube Ø 80 mm. Thickness > 6 mm in roll.
<i>Wrapping</i>	Black polyethylene film.
<i>Labelling</i>	Self-adhesive label indicating product name, dimensions, area in m ² , nominal weight, and product code to allow product traceability.

The aim of this system is to effectively encapsulate the process in which dust is generated.

In order to avoid dust leakage during inspections, the system should be provided with a mechanism for retaining dust inside the screening container.

While some systems convey great quantities of dust, our system retains dust where at it point of origin i.e. within the screened material.

The basic elements used here are:

- ozone resistant rubber sheeting for outdoor installations.
- straight or pre-shaped bent mouldings.

Rubber Clamp Mouldings

SPM

Interior Ø: 14mm
Exterior Ø: 31mm
Length: as required



EPI

Interior Ø: 14mm
Exterior Ø: 31mm
Length: as required



EPE

Interior Ø: 14mm
Exterior Ø: 31mm
Length: as required



EPV

Interior Ø: 14mm
Exterior Ø: 31mm
Length: as required



The Rubber Clamps are installed on an edge plate of thickness 8 mm if you use 2 mm Blackdust rubber and on plate thickness 6 mm, if you use 3 mm Blackdust rubber.

We recommend to weld a steel bar diam. 8 mm or diam. 6 mm on the edge plate, this gives a better result in clamping.

The Blackdust high elastic rubber is absolutely resistant to ozone and outside applications, so very appropriate to make a sealing system, but also very good to make joined hoses and funnels for e.g. weighing applications in concrete plants. For these applications, we recommend to use the 3 mm thickness.

Narviflex
BELTING

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