

S BLACKFINE

WEAR RESISTANT SHEETING

BLACK NR 40

FINE GRAIN SIZE MATERIAL MEDIUM WEAR SHEETING



MECHANICAL & PHYSICAL PROPERTIES

MECHANICAL

Rubber Compound	NR
Rubber Color	Black - R353
Density	1.00 g/cm ³ ±0.05
Hardness (ISO 48-4)	40±5 Shore A
Tensile strength (ISO 37)	≥20 MPa
Elongation at break (ISO 37)	≥650 %
Tear resistance (ISO 34-1)	≥20 N/mm
Abrasion resistance (ISO 4649)	5N ≤80mm ³
Compression set (ISO 815-1)	22h @ 70 °C : ≤25%

TEMPERATURE

Working temperature	-40/+70 °C
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AGEING

Δ Hardness (ISO 188)	168h @ 70 °C : ≤5 Shore A
Δ Tensile strength (ISO 188)	168h @ 70 °C : ≤-15%
Δ Elongation at break (ISO 188)	168h @ 70 °C : ≤-25%

CHEMICAL RESISTANCE

Diluted acids and bases	Very good
Concentrated acids and bases	Good
Ozone	Good
Oils and hydrocarbons	Non suitable

FEATURES

- Wear resistant natural rubber, black.

ADVANTAGES

- Excellent mechanical properties: tensile strength, elongation at break, tear resistance, abrasion, etc.
- Excellent resistance to fine grain size products projection and fretting wear: sand, shot blasting, fine particles, abrasive dust, etc.
- Corrosion protection
- Noise and vibration propagation reduction
- Possibility to be produced with bonding layer for cold vulcanizing

APPLICATIONS

- Hoppers, chutes, operating cyclones, vibrating lines, silos, etc., linings to protect equipment against very abrasive fine grain size products wear, due to their very nature (rock, wood, metal, all fine particle size materials, chemical products, etc.), density and hardness (medium to high), forms (fine particles, bulks), with dry conditions and maximum temperature +70 °C.
- Manufacturing of rubber skirts.
- Hanging panels fostering materials cleaning and removal.
- Areas of activity: sand and gravel quarries, aggregate and cement industries, concrete plants, etc.
- Electronic targets.

MAINTENANCE RECOMMENDATION

- Always follow manufacturer warnings and instructions when using any cleaning product.

Asbestos
FREE

Halogen
FREE

RoHS
compliant

REACH
compliant

DIMENSIONS

Article number	Stock Situation	Thickness (mm)	Width (mm)	Length (mm)	Weight	Side 1 finish	Side 2 finish	Type of insertion	Number Of Insertions	Inner car-board tube Ø mm
SSR35300003001	STD STOCK	3	1400 ±2%	10000 ±2%	3,03	Smooth	Smooth	-	0	80 mm
SSR35300004001	STD STOCK	4	1400 ±2%	10000 ±2%	4,04	Smooth	Smooth	-	0	80 mm
SSR35300005001	STD STOCK	5	1400 ±2%	10000 ±2%	5,05	Smooth	Smooth	-	0	80 mm
S5100603	STD NOT STOCK	6	1400 ±2%	10000 ±2%	6,06	Smooth	Smooth	-	0	80 mm
SSR35300008002	STD STOCK	8	1400 ±2%	10000 ±2%	8,08	Smooth	Smooth	-	0	
SSR35300010002	STD STOCK	10	1400 ±2%	10000 ±2%	10,10	Smooth	Smooth	-	0	
S5101501	STD NOT STOCK	15	1400 ±2%	5000 ±2%	15,15	Smooth	Smooth	-	0	
S5102001	STD NOT STOCK	20	1400 ±2%	5000 ±2%	20,20	Smooth	Smooth	-	0	
SSR35300025001	STD NOT STOCK	25	1400 ±2%	5000 ±2%	25,25	Smooth	Smooth	-	0	

IDENTIFICATION

Labelling

Self-adhesive label indicating product name, dimensions, area in m², nominal weight, and product code to allow product traceability. (94/62/EC - LDPE4)

Wrapping

Black polyethylene film.(94/62/EC - LDPE4)

Packaging

Thickness ≤6mm rolled on cardboard tube Ø 80mm. Thickness >6mm in roll.

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.



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www.trelleborg.com/fluidhandling