

# S BLACKROCK+

## WEAR RESISTANT SHEETING

**BLACK NR 60**
**ROUND GRAIN MATERIAL HIGH WEAR SHEETING**


### MECHANICAL & PHYSICAL PROPERTIES

#### MECHANICAL

<i>Rubber Compound</i>	NR
<i>Rubber Color</i>	Black - R650
<i>Density</i>	1.12 g/cm <sup>3</sup> ±0.05
<i>Hardness (ISO 48-4)</i>	60±5 Shore A
<i>Tensile strength (ISO 37)</i>	≥20 MPa
<i>Elongation at break (ISO 37)</i>	≥500 %
<i>Tear resistance (ISO 34-1)</i>	≥80 N/mm
<i>Abrasion resistance (ISO 4649)</i>	10N ≤90mm <sup>3</sup>
<i>Compression set (ISO 815-1)</i>	22h @ 70 °C : ≤30%

#### TEMPERATURE

<i>Working temperature</i>	-50/+85 °C
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#### AGEING

<i>Δ Hardness (ISO 188)</i>	70h @ 70 °C : ≤5 Shore A
<i>Δ Tensile strength (ISO 188)</i>	70h @ 70 °C : ≤-10%
<i>Δ Elongation at break (ISO 188)</i>	70h @ 70 °C : ≤-20%
<i>Ozone resistance (ASTM D1149 type A)</i>	50pphm, 168h, 30 °C, 20%: No crack

### CHEMICAL RESISTANCE

<i>Diluted acids and bases</i>	Very good
<i>Concentrated acids and bases</i>	Good
<i>Ozone</i>	Good
<i>Oils and hydrocarbons</i>	Non suitable

### FEATURES

- Natural rubber, black, 60 Shore A, with very good abrasion resistance.

### ADVANTAGES

- Excellent shock impact, tear, and abrasion resistance
- Good heat and ageing resistance
- Noise and vibration propagation reduction
- Protection against corrosion
- Possibility to be produced with bonding layer for cold vulcanizing
- Very high performance at low temperature

### APPLICATIONS

- Hoppers, chutes, vibrating lines, truck boxes, etc., linings to protect equipment, especially at loading and unloading points, against very abrasive products, due to their very nature (very abrasive rocks, wood, chemical products, etc.), density and hardness (medium to high), shapes (salient, sharp-edged), large grain size, with dry or wet conditions and maximum temperature +70 °C.
- Areas of activity: sand and gravel quarries, glassworks, construction and public works, civil engineering, building materials, mechanical engineering, transport, etc.

### MAINTENANCE RECOMMENDATION

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

**Asbestos  
FREE**
**Halogen  
FREE**
**RoHS  
compliant**
**REACH  
compliant**

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## S BLACKROCK+ R650

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### 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
SKR65000004002	STD NOT STOCK	4	1400 ±2%	10000 ±2%	4,48	Bonding	Smooth	-	0	80 mm
SSR65000004002	STD NOT STOCK	4	1400 ±2%	10000 ±2%	4,48	Smooth	Smooth	-	0	80 mm
S616500501	STD STOCK	5	1400 ±2%	10000 ±2%	5,75	Smooth	Smooth	-	0	
SKR65000005003	STD NOT STOCK	5	1400 ±2%	10000 ±2%	5,99	Bonding	Smooth	-	0	
SKR65000006007	STD NOT STOCK	6	1500 ±2%	10000 ±2%	6,72	Bonding	Matt	-	0	200 mm
SMR65000006002	STD STOCK	6	1500 ±2%	10000 ±2%	6,72	Matt	Smooth	-	0	
SKR65000008005	STD NOT STOCK	8	1500 ±2%	10000 ±2%	9,19	Bonding	Matt	-	0	
SMR65000008002	STD STOCK	8	1500 ±2%	10000 ±2%	8,930	Matt	Smooth	-	0	
SKR6500001000A	STD NOT STOCK	10	1500 ±2%	10000 ±2%	11,20	Bonding	Matt	-	0	
SMR65000010001	STD STOCK	10	1500 ±2%	10000 ±2%	11,16	Matt	Smooth	-	0	
SMR65000012001	STD NOT STOCK	12	1500 ±2%	6000 ±2%	13,44	Matt	Smooth	-	0	
SMR65000015002	STD NOT STOCK	15	1500 ±2%	6000 ±2%	16,74	Matt	Smooth	-	0	
SMR65000020002	STD NOT STOCK	20	1500 ±2%	6000 ±2%	22,44	Matt	Smooth	-	0	
SMR65000025002	STD NOT STOCK	25	1500 ±2%	6000 ±2%	28,13	Matt	Smooth	-	0	

### IDENTIFICATION

#### Labelling

Self-adhesive label indicating product name, dimensions, area in m<sup>2</sup>, 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. Bonding layer internal side protected by a white polypropylene film, easily removable by hand.

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.