

S BLACKFIRE

WEAR RESISTANT SHEETING

BLACK CR 70
FIRE RESISTANT SPECIAL WEAR SHEETING


MECHANICAL & PHYSICAL PROPERTIES

MECHANICAL

<i>Rubber Compound</i>	CR
<i>Rubber Color</i>	Black - C738
<i>Density</i>	1.47 g/cm ³ ±0.05
<i>Hardness (ISO 48-4)</i>	70±5 Shore A
<i>Tensile strength (ISO 37)</i>	≥10 MPa
<i>Elongation at break (ISO 37)</i>	≥250 %
<i>Tear resistance (ISO 34-1)</i>	≥20 N/mm
<i>Abrasion resistance (ISO 4649)</i>	10N ≤200mm ³
<i>Compression set (ISO 815-1)</i>	22h @ 70 °C : ≤20%

TEMPERATURE

<i>Working temperature</i>	-30/+120 °C
----------------------------	-------------

AGEING

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

OIL RESISTANCE

<i>Oil IRM 901, Δ volume (ISO 1817)</i>	70h @ 70 °C : ≤10%
<i>Oil IRM 903, Δ volume (ISO 1817)</i>	70h @ 70 °C : ≤55%

CHEMICAL RESISTANCE

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

FEATURES

- Fire and wear resistant high grade chloroprene.

REGULATIONS

- Fire resistant classified M2 following UNE 23727
- NF F 16101: smoke opacity following NF X 10702 and toxicity of emitted gases following NF X 70100, class F5

ADVANTAGES

- Very good fire resistance
- Very good wear resistance
- Excellent ageing resistance
- Very good heat resistance
- Antistatic
- Very good resistance to animal or vegetable oils
- Matte finish to guarantee a good surface finished quality, to secure an easy unrolling, and to facilitate adhesive bonding processes
- Possibility to be produced with bonding layer for cold vulcanizing

APPLICATIONS

- General equipment protection or other applications subject to risk of fire.

MAINTENANCE RECOMMENDATION

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

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

FIRE RESISTANT SPECIAL WEAR SHEETING

S BLACKFIRE C738

BLACK CR 70

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
SMC73800003001	STD STOCK	3	1400 ±2%	10000 ±2%	4.410	Matt	Matt	-	0	80 mm
SMC73800004001	STD STOCK	4	1400 ±2%	10000 ±2%	5.880	Matt	Matt	-	0	80 mm
SMC73800005001	STD STOCK	5	1400 ±2%	10000 ±2%	7.350	Matt	Smooth	-	0	
SMC73800006001	STD STOCK	6	1400 ±2%	10000 ±2%	8.820	Matt	Smooth	-	0	
SMC73800008001	STD NOT STOCK	8	1400 ±2%	10000 ±2%	11.760	Matt	Smooth	-	0	
SMC73800010001	STD STOCK	10	1400 ±2%	10000 ±2%	14.700	Matt	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.