

S CF14

TECHNICAL SHEETING

BLACK CR 60

HIGH PERFORMANCE CHLOROPRENE SHEETING



MECHANICAL & PHYSICAL PROPERTIES

MECHANICAL

Rubber Compound	CR
Rubber Color	Black
Density	1.30 g/cm ³ ±0.05
Hardness (ISO 48-4)	60±5 Shore A
Tensile strength (ISO 37)	≥10 MPa
Elongation at break (ISO 37)	≥250 %
Tear resistance (ISO 34-1)	≥15 N/mm
Abrasion resistance (ISO 4649)	10N ≤150mm ³
Compression set (ISO 815-1)	22h @ 70 °C : ≤25%

TEMPERATURE

Working temperature	-35/+120 °C
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AGEING

Δ Tensile strength (ISO 188)	168h @ 70 °C : ≤-15%
Δ Elongation at break (ISO 188)	168h @ 70 °C : ≤-25%
Ozone resistance (ASTM D1149, method B, proc. B1)	200pphm, 72h, 30 °C, 20%: No crack

OIL RESISTANCE

Oil IRM 901, Δ volume (ISO 1817)	70h @ 100 °C : ±15%
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CHEMICAL RESISTANCE

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

FEATURES

- High grade chloroprene.

ADVANTAGES

- Very good wear resistance
- Very good compression resistance
- Excellent ageing resistance
- Very good oil and grease resistance (maximum temperature +120 °C)
- Excellent ozone resistance
- Good resistance to inorganic chemical products
- Medium resistance to aliphatic hydrocarbons
- Very good high temperature resistance
- Matte finish to guarantee a good surface finished quality and to secure an easy unrolling.

APPLICATIONS

- Elastic bearings in following activities areas: building, civil engineering, mechanical construction, etc.
- Gaskets or washers cutting and manufacturing of pieces for general industrial purpose applications in contact with: water, sea water, mineral oils, animal and vegetal oils and greases.

MAINTENANCE RECOMMENDATION

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

**Asbestos
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
SMCF1400003001	STD STOCK	3	1400 ±2%	10000 ±2%	3,91	Matt	Matt	-	0	80 mm
SMCF1400004001	STD NOT STOCK	4	1400 ±2%	10000 ±2%	5,16	Matt	Matt	-	0	80 mm
SMCF1400005001	STD STOCK	5	1400 ±2%	10000 ±2%	6,51	Matt	Smooth	-	0	80 mm
SMCF1400006001	STD NOT STOCK	6	1400 ±2%	10000 ±2%	7,74	Matt	Smooth	-	0	80 mm

IDENTIFICATION

Labelling	Self-adhesive label indicating product name, dimensions, area in m ² , 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.