



CF14 CR

black | density 1.30 | hardness 60

03/07/2014

CHLOROPRENE SHEETING: VERY HIGH PERFORMANCE

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, to secure an easy unrolling, and to facilitate adhesive bonding processes

BENEFITS

- ▶ Performance
- ▶ Service life
- ▶ Safety

APPLICATIONS

Elastic bearings in following activities areas: building, civil engineering, mechanical construction, etc.

Gaskets or washers cutting and manufacturing of pieces for general purpose applications in contact with:

- ▶ water, sea water
- ▶ mineral oils
- ▶ animal and vegetal oils and greases

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MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

MECHANICAL	Measured characteristics	Standard	Value
	Rubber compound		CR
	Density		1.30 ± 0.05 g/cm ³
	Hardness	ASTM D2240	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 (10 N)	ISO 4649	≤ 150 mm ³
	Compression set after 22 h at 70 °C	ISO 815-1	≤ 25 %

TEMPERATURE	Working temperature	Value
		- 35/+ 120 °C

AGEING	Measured characteristics	Standard	Value
	Δ Tensile strenght after 168 h at 70 °C	ASTM D573	≤ - 15 %
	Δ Elongation at break after 168 h at 70 °C	ASTM D573	≤ - 25 %
	Ozone resistance, 200 pphm, 72 h, 30 °C, 20 %	ISO 1431-1 method A	No crack

OIL RESISTANCE	Oil IRM 901, Δ volume after 70 h at 100 °C	Standard	Value
		ASTM D471	± 15 %

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

DIMENSIONS

Thickness (mm)	Width (mm)	Length (m)	Weight (kg/m ²)	Pattern
2 ± 0.3	1400 ± 2 %	15 ± 2 %	2.60	2 sides matt
3 ± 0.3	1400 ± 2 %	10 ± 2 %	3.90	2 sides matt
4 ± 0.4	1400 ± 2 %	10 ± 2 %	5.20	2 sides matt
5 ± 0.4	1400 ± 2 %	10 ± 2 %	6.50	1 side smooth/1 side matt
6 ± 0.5	1400 ± 2 %	10 ± 2 %	7.80	1 side smooth/1 side matt

IDENTIFICATION

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