

CF14 CR

16/07/2014



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

Measured characteristics		Standard	Value				
MECHANICAL							
Rubber compound - black			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			- 35/+ 120	°C			
AGEING							
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		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)	Sides finish	
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.						