

C500 CR/SBR

black | density 1.35 | hardness 50

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CHLOROPRENE 50 SHEETING: FOR TECHNICAL APPLICATIONS

FEATURES

50 Shore A chloroprene.

ADVANTAGES

- ▶ Flexible
- ▶ Good low temperature resistance
- ▶ Good dry high temperature resistance
- ▶ Matte finish to guarantee a good surface finished quality, to secure an easy unrolling, and to facilitate adhesive bonding processes

BENEFITS

- ▶ Safety
- ▶ Economy

APPLICATIONS

Gaskets or washers cutting and manufacturing of pieces for general purpose applications in contact with mineral and vegetable oil, non aromatic grease and hydrocarbons.

Non suitable for oxygenated and halogen solvents, aromatic hydrocarbon, mineral and organic acids, washed water.

www.trelleborg.com/elastomerlaminates

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

	Measured characteristics	Standard	Value	
MECHANICAL				
	Rubber compound		CR/SBR	
	Density		1.35 ± 0.05	g/cm ³
	Hardness	ASTM D2240	50 ± 5	Shore A
	Tensile strength	ISO 37	≥ 4.5	MPa
	Elongation at break	ISO 37	≥ 400	%
	Tear resistance	ISO 34-1	≥ 13	N/mm
	Compression set after 22 h at 70 °C	ISO 815-1	≤ 40	%
TEMPERATURE				
	Working temperature		- 30/+ 100	°C
AGEING				
	Δ Hardness after 70 h at 70 °C	ASTM D573	≤ 5	Shore A
	Δ Tensile strength after 70 h at 70 °C	ASTM D573	≤ - 15	%
	Δ Elongation at break after 70 h at 70 °C	ASTM D573	≤ - 40	%
OIL RESISTANCE				
	Oil IRM 901, Δ volume after 70 h at 70 °C	ASTM D471	≤ 26	%
CHEMICAL RESISTANCE				
	Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons
	Medium	Non suitable	Medium	Medium

DIMENSIONS

Thickness (mm)	Width (mm)	Length (m)	Weight (kg/m ²)	Pattern
1 ± 0.3	1400 ± 2 %	20 ± 2 %	1.35	2 sides matt
1.5 ± 0.3	1400 ± 2 %	15 ± 2 %	2.03	2 sides matt
2 ± 0.3	1400 ± 2 %	15 ± 2 %	2.70	2 sides matt
3 ± 0.3	1400 ± 2 %	10 ± 2 %	4.05	2 sides matt
4 ± 0.4	1400 ± 2 %	10 ± 2 %	5.40	2 sides matt
5 ± 0.4	1400 ± 2 %	10 ± 2 %	6.75	1 side smooth/1 side matt
6 ± 0.5	1400 ± 2 %	10 ± 2 %	8.10	1 side smooth/1 side matt
8 ± 0.7	1400 ± 2 %	5 ± 2 %	10.80	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.