

CS40 CR SBR

16/07/2014



CHLOROPRENE 70 SHEETING: FOR TECHNICAL APPLICATIONS

FEATURES

70 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:

- water, sea water
- oils and grease
- mineral oils (maximum temperature + 100 °C)

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 - black			CR SBR 	
Density			1.45 ± 0.05	g/cm ³
Hardness		ASTM D2240	70 ± 5	Shore A
Tensile strength		ISO 37	≥ 6	MPa
Elongation at break		ISO 37	≥ 300	%
Compression set after 24 h at 70 °C		ISO 815-1	≤ 35	%
TEMPERATURE				
Working temperature			- 20/+ 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	≤ - 5	%
Δ Elongation at break after 70 h at 70 °C		ASTM D573	≤ - 15	%
OIL RESISTANCE				
Oil IRM 901, Δ volume after 72 h at 70 °C		ASTM D471	≤ 20	%
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)	Sides finish	Option (ply)	
1	± 0.3	1400 ± 2 %	20 ± 2 %	1.45	2 sides matt	
1.5	± 0.3	1400 ± 2 %	15 ± 2 %	2.18	2 sides matt	
2	± 0.3	1400 ± 2 %	15 ± 2 %	2.90	2 sides matt	1P
3	± 0.3	1400 ± 2 %	10 ± 2 %	4.35	2 sides matt	1P 2P
4	± 0.4	1400 ± 2 %	10 ± 2 %	5.80	2 sides matt	2P
5	± 0.4	1400 ± 2 %	10 ± 2 %	7.25	1 side smooth/1 side matt	2P
6	± 0.5	1400 ± 2 %	10 ± 2 %	8.70	1 side smooth/1 side matt	
8	± 0.7	1400 ± 2 %	5 ± 2 %	11.60	1 side smooth/1 side matt	
10	± 1.0	1400 ± 2 %	5 ± 2 %	14.50	1 side smooth/1 side matt	
12	± 1.0	1400 ± 2 %	5 ± 2 %	17.40	1 side smooth/1 side matt	
15	± 1.0	1400 ± 2 %	5 ± 2 %	21.75	1 side smooth/1 side matt	
20	± 1.4	1400 ± 2 %	5 ± 2 %	29.00	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.