



# CS40 CR/SBR

black | density 1.45 | hardness 70

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## 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](http://www.trelleborg.com/elastomerlaminates)

## MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics		Standard	Value	
<b>MECHANICAL</b>				
<i>Rubber compound</i>			CR/SBR	
<i>Density</i>			1.45 ± 0.05	g/cm <sup>3</sup>
<i>Hardness</i>		ASTM D2240	70 ± 5	Shore A
<i>Tensile strength</i>		ISO 37	≥ 6	MPa
<i>Elongation at break</i>		ISO 37	≥ 300	%
<i>Compression set after 24 h at 70 °C</i>		ISO 815-1	≤ 35	%
<b>TEMPERATURE</b>				
<i>Working temperature</i>			- 20/+ 100	°C
<b>AGEING</b>				
<i>Δ Hardness after 70 h at 70 °C</i>		ASTM D573	≤ 5	Shore A
<i>Δ Tensile strenght after 70 h at 70 °C</i>		ASTM D573	≤ - 5	%
<i>Δ Elongation at break after 70 h at 70 °C</i>		ASTM D573	≤ - 15	%
<b>OIL RESISTANCE</b>				
<i>Oil IRM 901, Δ volume after 72 h at 70 °C</i>		ASTM D471	≤ 20	%
<b>CHEMICAL RESISTANCE</b>				
<i>Diluted acids and bases</i>		<i>Concentrated acids and bases</i>	<i>Ozone</i>	<i>Oils and hydrocarbons</i>
<b>Medium</b>	<b>Non suitable</b>		<b>Medium</b>	<b>Medium</b>

## DIMENSIONS

Thickness (mm)		Width (mm)		Length (m)		Weight (kg/m <sup>2</sup> )	Pattern	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

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