

# C500

# CR SBR



## CHLOROPRENE 50 SHEETING FOR TECHNICAL APPLICATIONS

### FEATURES

50 Shore A chloroprene.

### 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.

### ADVANTAGES


- ▮ Flexible
- ▮ Good low temperature resistance
- ▮ Good dry high temperature resistance
- ▮ Matte finish to guarantee a good surface finished quality and to secure an easy unrolling.

### BENEFITS

- ▮ Safety
- ▮ Economy

## MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics		Standard	Value	
<b>MECHANICAL</b>				
Rubber compound - black			CR SBR	I
Density			1.35 ±0.05	g/cm <sup>3</sup>
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 22h at 70 °C		ISO 815-1	≤40	%
<b>TEMPERATURE</b>				
Working temperature			-30/+100	°C
<b>AGEING</b>				
Δ Hardness after 70h at 70 °C		ASTM D573	≤5	Shore A
Δ Tensile strength after 70h at 70 °C		ASTM D573	≤-15	%
Δ Elongation at break after 70h at 70 °C		ASTM D573	≤-40	%
<b>OIL RESISTANCE</b>				
Oil IRM 901, Δ volume after 70h at 70 °C		ISO 1817	≤26	%
<b>CHEMICAL RESISTANCE</b>				
Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons	
Medium	Non suitable	Medium	Medium	
<b>IDENTIFICATION</b>				
Branding	Without.			
Packaging	Thickness ≤6mm rolled on cardboard tube Ø 80mm. Thickness >6mm in roll.			
Wrapping	Black polyethylene film.			
Labelling	Self-adhesive label indicating product name, dimensions, area in m2, nominal weight, and product code to allow product traceability.			

CR SBR	CHLOROPRENE 50 SHEETING	C500			
THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m <sup>2</sup>	SIDES FINISH	
1±0.2	1400±2%	20±2%	1.33	2 SIDES MATT	
1.5±0.25	1400±2%	15±2%	1.99	2 SIDES MATT	
2±0.3	1400±2%	15±2%	2.65	2 SIDES MATT	
3±0.3	1400±2%	10±2%	3.98	2 SIDES MATT	
4±0.4	1400±2%	10±2%	5.3	2 SIDES MATT	
5±0.4	1400±2%	10±2%	6.63	1 SIDE SMOOTH/1 SIDE MATT	
6±0.5	1400±2%	10±2%	7.96	1 SIDE SMOOTH/1 SIDE MATT	
8±0.7	1400±2%	5±2%	10.61	1 SIDE SMOOTH/1 SIDE MATT	

