

H630 CSM

black | density 1.30 | hardness 60

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CSM 60 SHEETING: FOR TECHNICAL APPLICATIONS

FEATURES

High grade chlorosulphonated polyethylene (CSM).

ADVANTAGES

- ▶ Good resistance to diluted and low oxidant acids
- ▶ Excellent oxidation, weather and ozone resistance
- ▶ Very good high temperature resistance
- ▶ Excellent resistance to hydrocarbonated solvents
- ▶ Resistant to alcohols and most inorganic chemical products
- ▶ Moderate resistance to aliphatic and aromatic hydrocarbons
- ▶ 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

Gaskets or washers cutting and manufacturing of pieces for general purpose applications in contact with:

- ▶ water
- ▶ diluted and low oxidant acids

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MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics		Standard	Value	
MECHANICAL				
<i>Rubber compound</i>			CSM	
<i>Density</i>			1.30 ± 0.05	g/cm ³
<i>Hardness</i>		ASTM D2240	60 ± 5	Shore A
<i>Tensile strength</i>		ISO 37	≥ 9	MPa
<i>Elongation at break</i>		ISO 37	≥ 350	%
<i>Tear resistance</i>		ISO 34-1	≥ 20	N/mm
<i>Compression set after 22 h at 70 °C</i>		ISO 815-1	≤ 35	%
TEMPERATURE				
<i>Working temperature</i>			-35/+125	°C
AGEING				
<i>Δ Hardness after 168 h at 70 °C</i>		ASTM D573	≤ 5	Shore A
<i>Ozone resistance, 200 pphm, 48 h, 30 °C, 20 %</i>		ASTM D1149 type A	No crack	
OIL RESISTANCE				
<i>Oil IRM 903, Δ volume after 70 h at 70 °C</i>		ASTM D471	≤ 40	%
CHEMICAL RESISTANCE				
<i>Diluted acids and bases</i>		<i>Concentrated acids and bases</i>		<i>Ozone</i>
Very good		Good		Very good
				Good
DIMENSIONS				
<i>Thickness (mm)</i>		<i>Width (mm)</i>		<i>Length (m)</i>
2 ± 0.3		1400 ± 2 %		15 ± 2 %
3 ± 0.3		1400 ± 2 %		10 ± 2 %
4 ± 0.4		1400 ± 2 %		10 ± 2 %
5 ± 0.4		1400 ± 2 %		10 ± 2 %
6 ± 0.5		1400 ± 2 %		10 ± 2 %
				<i>Weight (kg/m²)</i>
				<i>Pattern</i>
				2.60
				3.90
				5.20
				6.50
				7.80
				2 sides matt
				2 sides matt
				2 sides matt
				1 side smooth/1 side matt
				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 ² , nominal weight, and product code to allow product traceability.