

# S H630

## TECHNICAL SHEETING

BLACK CSM 60

FOR TECHNICAL APPLICATIONS CSM 60 SHEETING



### MECHANICAL & PHYSICAL PROPERTIES

#### MECHANICAL

Rubber Compound	CSM
Rubber Color	Black
Density	1.30 g/cm <sup>3</sup> ±0.05
Hardness (ISO 48-4)	60±5 Shore A
Tensile strength (ISO 37)	≥9 MPa
Elongation at break (ISO 37)	≥350 %
Tear resistance (ISO 34-1)	≥20 N/mm
Compression set (ISO 815-1)	22h @ 70 °C : ≤35%

#### TEMPERATURE

Working temperature	-35/+125 °C
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#### AGEING

Δ Hardness (ISO 188)	168h @ 70 °C : ≤5 Shore A
Ozone resistance (ASTM D1149, method B, proc. B1)	200pphm, 48h, 30 °C, 20%: No crack

#### OIL RESISTANCE

Oil IRM 901, Δ volume (ISO 1817)	70h @ 70 °C : ≤40%
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### 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 and to secure an easy unrolling.

### APPLICATIONS

- Gaskets or washers cutting and manufacturing of pieces for general industrial purpose applications in contact with: water and diluted and low oxidant acids.

### MAINTENANCE RECOMMENDATION

- Always follow manufacturer warnings and instructions when using any cleaning product.

### CHEMICAL RESISTANCE

Diluted acids and bases	Very good
Concentrated acids and bases	Good
Ozone	Very good
Oils and hydrocarbons	Good

**Asbestos  
FREE**

**Halogen  
FREE**

**RoHS  
compliant**

**REACH  
compliant**

**DIMENSIONS**

Article number	Stock Situation	Thickness (mm)	Width (mm)	Length (mm)	Weight	Side 1 finish	Side 2 finish	Type of insertion	Number Of Insertions	Inner car-board tube Ø mm
SMH63000002001	STD STOCK	2	1400 ±2%	15000 ±2%	2,62	Matt	Matt	-	0	80 mm
SMH63000003001	STD STOCK	3	1400 ±2%	10000 ±2%	3,93	Matt	Matt	-	0	80 mm
SMH63000004001	STD STOCK	4	1400 ±2%	10000 ±2%	5,24	Matt	Matt	-	0	80 mm
SMH63000005001	STD STOCK	5	1400 ±2%	10000 ±2%	6,55	Matt	Smooth	-	0	
SMH63000006001	STD NOT STOCK	6	1400 ±2%	10000 ±2%	7,86	Matt	Smooth	-	0	

**IDENTIFICATION**

*Labelling* Self-adhesive label indicating product name, dimensions, area in m<sup>2</sup>, nominal weight, and product code to allow product traceability. (94/62/EC - LDPE4)

*Wrapping* Black polyethylene film.(94/62/EC - LDPE4)

*Packaging* Thickness ≤6mm rolled on cardboard tube Ø 80mm. Thickness >6mm in roll.

*Unless typographical error, information and figures of our technical datasheet are based on our experience and laboratory tests according to international standards. This data is intended to be used as a guideline only. Material performance depends on the conditions of use and the final application.*