

S ES03

TECHNICAL SHEETING

BLACK EPDM 70

HIGH TEMPERATURE EPDM SHEETING



MECHANICAL & PHYSICAL PROPERTIES

MECHANICAL

Rubber Compound	EPDM
Rubber Color	Black
Density	1.24 g/cm ³ ±0.05
Hardness (ISO 48-4)	70±5 Shore A
Tensile strength (ISO 37)	≥10 MPa
Elongation at break (ISO 37)	≥300 %
Compression set (ISO 815-1)	24 @ 100 °C : ≤30%

TEMPERATURE

Working temperature	-40/+150 °C
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AGEING

Δ Hardness (ISO 188)	72h @ 125 °C : ≤5 Shore A
Δ Tensile strength (ISO 188)	72h @ 125 °C : ≤-15%
Δ Elongation at break (ISO 188)	72h @ 125 °C : ≤-25%
Ozone resistance (ASTM D1149, method B, proc. B1)	200pphm, 96h, 30 °C, 80%: No crack

CHEMICAL RESISTANCE

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

FEATURES

- Peroxyde cured EPDM with high mechanical properties, especially at high temperature.

ADVANTAGES

- Very good resistance to ozone and ageing
- Excellent temperature resistance (-40/+150 °C)
- Excellent resistance to most inorganic or corrosive chemical products
- Highly resistant to mineral acids, detergents, phosphoric ethers, ketones, alcohols, or low molecular weight glycols
- Very good performance with hot water or high pressure steam
- Excellent mechanical properties, even at high temperature
- 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, oxidizing and non oxidizing diluted acids.

MAINTENANCE RECOMMENDATION

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

**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
S70030101M	STD NOT STOCK	1	1400 ±2%	20000 ±2%	1,24	Matt	Smooth	-	0	80 mm
SMES0300001502	STD NOT STOCK	1,5	1400 ±2%	15000 ±2%	1,86	Matt	Smooth	-	0	80 mm
S70030201M	STD NOT STOCK	2	1400 ±2%	15000 ±2%	2,48	Matt	Smooth	-	0	80 mm
S70030301M	STD STOCK	3	1400 ±2%	10000 ±2%	3,72	Matt	Smooth	-	0	80 mm
S70030401M	STD NOT STOCK	4	1400 ±2%	10000 ±2%	4,96	Matt	Smooth	-	0	80 mm
SMES0300005004	STD STOCK	5	1400 ±2%	10000 ±2%	6,19	Matt	Smooth	-	0	
SMES0300006002	STD NOT STOCK	6	1400 ±2%	10000 ±2%	7,44	Matt	Smooth	-	0	
SMES0300008002	STD NOT STOCK	8	1400 ±2%	5000 ±2%	9,92	Matt	Smooth	-	0	
S70031001M	STD NOT STOCK	10	1400 ±2%	5000 ±2%	12,40	Matt	Smooth	-	0	

IDENTIFICATION

Labelling Self-adhesive label indicating product name, dimensions, area in m², 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.