

# S E550

## TECHNICAL SHEETING

BLACK EPDM 50

FOR TECHNICAL APPLICATIONS EPDM 50 SHEETING



### MECHANICAL & PHYSICAL PROPERTIES

#### MECHANICAL

Rubber Compound	EPDM
Rubber Color	Black
Density	1.10 g/cm <sup>3</sup> ±0.05
Hardness (ISO 48-4)	50±5 Shore A
Tensile strength (ISO 37)	≥9 MPa
Elongation at break (ISO 37)	≥450 %
Tear resistance (ISO 34-1)	≥23 N/mm
Compression set (ISO 815-1)	22h @ 70 °C : ≤35%

#### TEMPERATURE

Working temperature	-40/+115 °C
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#### AGEING

Δ Hardness (ISO 188)	70h @ 70 °C : ≤5 Shore A
Δ Tensile strength (ISO 188)	70h @ 70 °C : ≤-15%
Δ Elongation at break (ISO 188)	70h @ 70 °C : ≤-40%
Ozone resistance (ASTM D1149, method B, proc. B1)	200pphm, 48h, 38 °C, 20%: No crack

### CHEMICAL RESISTANCE

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

### FEATURES

- 50 Shore A EPDM.

### ADVANTAGES

- Very good resistance to ozone and ageing
- Excellent temperature resistance (-40/+115 °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
- Very good mechanical properties, especially tear resistance
- 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 cardboard tube Ø mm
S705510201	STD STOCK	2	1400 ±2%	15000 ±2%	2,24	Matt	Smooth	-	0	80 mm
S705510301	STD STOCK	3	1400 ±2%	10000 ±2%	3,36	Matt	Smooth	-	0	80 mm
S705510401	STD NOT STOCK	4	1400 ±2%	10000 ±2%	4,48	Matt	Smooth	-	0	80 mm
SME55000005003	STD NOT STOCK	5	1400 ±2%	10000 ±2%	5,80	Matt	Smooth	-	0	80 mm
SME55000006001	STD NOT STOCK	6	1400 ±2%	10000 ±2%	6,69	Matt	Smooth	-	0	80 mm
SME55000008002	STD NOT STOCK	8	1400 ±2%	5000 ±2%	9,03	Matt	Smooth	-	0	
SME55000010003	STD NOT STOCK	10	1400 ±2%	5000 ±2%	11,29	Matt	Smooth	-	0	

**IDENTIFICATION**

<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. (94/62/EC - LDPE4)
<i>Wrapping</i>	Black polyethylene film.(94/62/EC - LDPE4)
<i>Packaging</i>	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.*