

# S ES02

## TECHNICAL SHEETING

BLACK EPDM 60

FOR TECHNICAL APPLICATIONS EPDM 60 SHEETING



### MECHANICAL & PHYSICAL PROPERTIES

#### MECHANICAL

Rubber Compound	EPDM
Rubber Color	Black
Density	1.22 g/cm <sup>3</sup> ±0.05
Hardness (ISO 48-4)	60±5 Shore A
Tensile strength (ISO 37)	≥10 MPa
Elongation at break (ISO 37)	≥500 %
Tear resistance (ISO 34-1)	≥30 N/mm
Compression set (ISO 815-1)	22h @ 70 °C : ≤20%

#### TEMPERATURE

Working temperature	-40/+120 °C
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#### AGEING

Δ Hardness (ISO 188)	72h @ 100 °C : ≤5 Shore A
Δ Tensile strength (ISO 188)	72h @ 100 °C : ≤10%
Δ Elongation at break (ISO 188)	72h @ 100 °C : ≤30%
Ozone resistance (ASTM D1149, method B, proc. B1)	200pphm, 96h, 30 °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

- 60 Shore A EPDM.

### ADVANTAGES

- Very good resistance to ozone and ageing
- Excellent temperature resistance (-40/+120 °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
- Good mechanical properties
- 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
S70020101M	STD STOCK	1	1400 ±2%	20000 ±2%	1,29	Matt	Smooth	-	0	80 mm
S70020151M	STD NOT STOCK	1,5	1400 ±2%	15000 ±2%	1,94	Matt	Smooth	-	0	80 mm
S70020201M	STD STOCK	2	1400 ±2%	15000 ±2%	2,58	Matt	Smooth	-	0	80 mm
SMES020000300A	STD STOCK	3	1400 ±2%	10000 ±2%	3,67	Matt	Smooth	-	0	80 mm
S70020401M	STD STOCK	4	1400 ±2%	10000 ±2%	5,16	Matt	Smooth	-	0	80 mm
S70020501M	STD STOCK	5	1400 ±2%	10000 ±2%	6,45	Matt	Smooth	-	0	80 mm
SMES0200006003	STD STOCK	6	1400 ±2%	10000 ±2%	7,74	Matt	Smooth	-	0	80 mm
SMES0200008003	STD STOCK	8	1400 ±2%	5000 ±2%	10,40	Matt	Smooth	-	0	80 mm
SMES0200010001	STD STOCK	10	1400 ±2%	5000 ±2%	12,90	Matt	Smooth	-	0	80 mm
SMES0200012002	STD NOT STOCK	12	1400 ±2%	5000 ±2%	14,65	Matt	Smooth	-	0	80 mm
SMES0200015001	STD NOT STOCK	15	1400 ±2%	5000 ±2%	18,31	Matt	Smooth	-	0	80 mm
SMES0200020001	STD NOT STOCK	20	1400 ±2%	5000 ±2%	24,42	Matt	Smooth	-	0	80 mm

**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.*