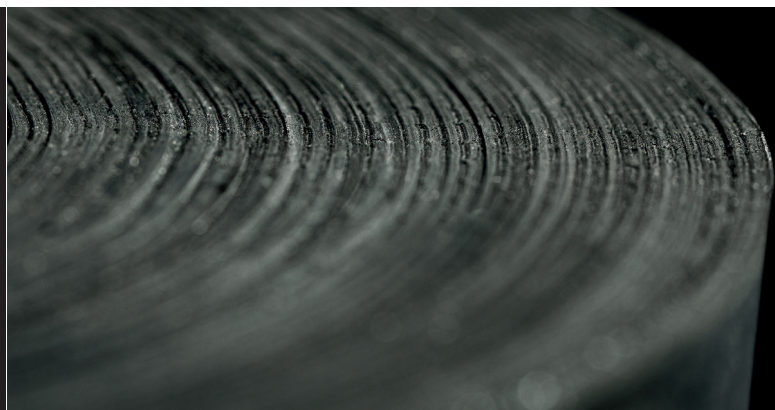


# S ES02

## TECHNICAL SHEETING

BLACK EPDM 60

FOR TECHNICAL APPLICATIONS EPDM 60  
SHEETING



### MECHANICAL & PHYSICAL PROPERTIES

#### MECHANICAL

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

#### TEMPERATURE

<i>Working temperature</i>	-40/+120 °C
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#### AGEING

<i>Δ Hardness (ISO 188)</i>	72h @ 100 °C : ≤5 Shore A
<i>Δ Tensile strength (ISO 188)</i>	72h @ 100 °C : ≤10%
<i>Δ Elongation at break (ISO 188)</i>	72h @ 100 °C : ≤-30%
<i>Ozone resistance (ASTM D1149 type A)</i>	200pphm, 96h, 30 °C, 20%: No crack

### CHEMICAL RESISTANCE

<i>Diluted acids and bases</i>	Very good
<i>Concentrated acids and bases</i>	Good
<i>Ozone</i>	Very good
<i>Oils and hydrocarbons</i>	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%	1,22	Matt	Smooth	-	0	80 mm
S70020151M	STD NOT STOCK	1,5	1400 ±2%	15000 ±2%	1.940	Matt	Smooth	-	0	80 mm
S70020201M	STD STOCK	2	1400 ±2%	15000 ±2%	2,44	Matt	Smooth	-	0	80 mm
SMES020000300A	STD STOCK	3	1400 ±2%	10000 ±2%	3,66	Matt	Smooth	-	0	80 mm
S70020401M	STD STOCK	4	1400 ±2%	10000 ±2%	4,88	Matt	Smooth	-	0	80 mm
S70020501M	STD STOCK	5	1400 ±2%	10000 ±2%	6,1	Matt	Smooth	-	0	
SMES0200006003	STD STOCK	6	1400 ±2%	10000 ±2%	7,32	Matt	Smooth	-	0	
SMES0200008003	STD STOCK	8	1400 ±2%	5000 ±2%	9,76	Matt	Smooth	-	0	
SMES0200010001	STD STOCK	10	1400 ±2%	5000 ±2%	12,2	Matt	Smooth	-	0	
SMES0200012002	STD NOT STOCK	12	1400 ±2%	5000 ±2%	14,64	Matt	Smooth	-	0	
SMES0200015001	STD NOT STOCK	15	1400 ±2%	5000 ±2%	18,3	Matt	Smooth	-	0	
SMES0200020001	STD NOT STOCK	20	1400 ±2%	5000 ±2%	24,4	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.