

# S E645

## FOOD & DRINK SHEETING

BLACK EPDM 70

DRINK WATER - WRAS CERTIFICATION EPDM 70 SHEETING



### MECHANICAL & PHYSICAL PROPERTIES

#### MECHANICAL

Rubber Compound	EPDM
Rubber Color	Black
Density	1.15 g/cm <sup>3</sup> ±0.05
Hardness (ISO 48-4)	70±5 Shore A
Tensile strength (ISO 37)	≥12 MPa
Elongation at break (ISO 37)	≥400 %
Tear resistance (ISO 34-1)	≥35 N/mm
Compression set (ISO 815-1)	22h @ 70 °C : ≤25%

#### TEMPERATURE

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

Δ Hardness (ISO 188)	70h @ 70 °C : ≤5 Shore A
Δ Tensile strength (ISO 188)	70h @ 70 °C : ≤-10%
Δ Elongation at break (ISO 188)	70h @ 70 °C : ≤-30%
Ozone resistance (ASTM D1149, method B, proc. B1)	200pphm, 48h, 38 °C, 20%: No crack
Swelling In Water (ISO 1817)	70 h at 23°C : 0

### CHEMICAL RESISTANCE

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

### FEATURES

- Black EPDM sheeting for drinking water. Approved by WRAS as suitable for contact with water for domestic purposes up to 23°C.

### REGULATIONS

- WRAS approval num 1904541: This product has satisfied the criteria set out in BS 6920: Part 1: 2000 "Specification" and thus complies with the requirements of the Water Regulations Advisory Scheme Tests of Effect on Water Quality (BS 6920: 2000).

### ADVANTAGES

- Very good resistance to ozone and ageing
- Excellent temperature resistance (-40/+120 °C)
- Good ratio quality/price
- Matte finish to guarantee a good surface finished quality to secure an easy unrolling.

### APPLICATIONS

- Gaskets or washers cutting and manufacturing of pieces for general industrial purpose applications in contact with drinking water.

### 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
SME64500001505	NOT STD/ NOT STOCK	1,5	1400 ±2%	15000 ±2%	1.720	Shiny	Matt	-	0	80 mm
SME64500002004	NOT STD/ NOT STOCK	2	1400 ±2%	15000 ±2%	2,29	Shiny	Matt	-	0	80 mm
SME6450000300B	NOT STD/ NOT STOCK	3	1400 ±2%	10000 ±2%	3.440	Shiny	Matt	-	0	80 mm
SME64500004002	NOT STD/ NOT STOCK	4	1400 ±2%	10000 ±2%	4,59	Shiny	Matt	-	0	80 mm
SME64500005003	NOT STD/ NOT STOCK	5	1400 ±2%	10000 ±2%	5,73	Shiny	Matt	-	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.*