

SE645

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 ³ ±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 type A)	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%	2,290	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%	4,590	Shiny	Matt	-	0	80 mm
SME64500005003	NOT STD/ NOT STOCK	5	1400 ±2%	10000 ±2%	5,730	Shiny	Matt	-	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.