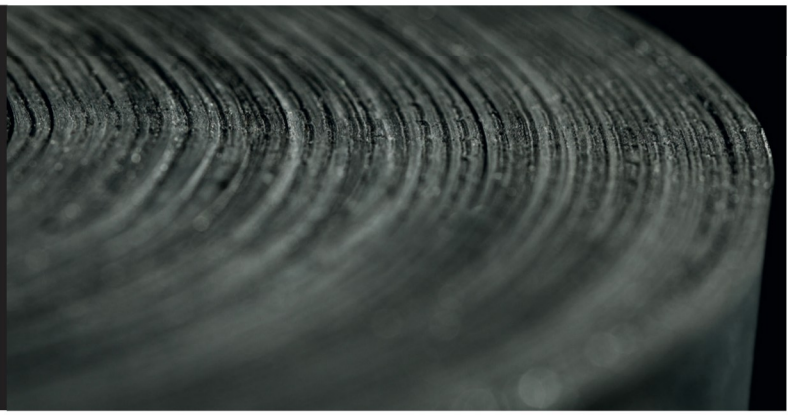
S E527

TECHNICAL SHEETING

BLACK EPDM 70

FIRE RESISTANT EPDM SHEETING



MECHANICAL & PHYSICAL PROPERTIES

MECHANICAL	
Rubber Compound	EPDM
Rubber Color	Black
Density	1.45 g/cm3 ±0.05
Hardness (ISO 48-4)	70±5 Shore A
Tensile strength (ISO 37)	≥7 MPa
Elongation at break (ISO 37)	≥400 %
Tear resistance (ISO 34-1)	≥25 N/mm
Compression set (ISO 815-1)	22h @ 85 °C : 30%
TEMPERATURE	
Working temperature	-30/+100 °C
AGEING	
Δ Hardness (ISO 188)	168h @ 85 °C : ≤ 10 Shore A
Δ Tensile strength (ISO 188)	168h @ 85 °C : ≤ -15%
Δ Elongation at break (ISO 188)	168h @ 85 °C : ≤- 30%
Ozone resistance (ASTM D1149, method B, proc. B1)	200pphm, 96h, 40 °C, 20%: No crack

CHEMICAL RESISTANCE

Diluted acids and bases	Good
Concentrated acids and bases	Medium
Ozone	Very good
Oils and hydrocarbons	Medium

FEATURES

- High performance EPDM sheeting. Fire resistant with low and not toxic smoke emission. Halogen-free.

REGULATIONS

- Classified as HL3 R22, R23 & R24 according to European EN 45545-2 + A1 regulation.

ADVANTAGES

- Very good fire resistance
- Low smoke emission. Halogen-free
- Excellent ozone resistance
- Good ageing resistance
- Very good heat resistance
- Matte finish to guarantee a good surface finished quality and to secure an easy unrolling.

APPLICATIONS

- Pieces, gaskets, covering and other industrial elements subject to risk of fire. Specially for railways vehicles material.

MAINTENANCE RECOMMENDATION

- Always follow manufacturer warnings and instructions when using any cleaning product.

Asbestos FREE | Halogen FREE | RoHS compliant | REACH compliant

FIRE RESISTANT EPDM SHEETING	S E527	BLACK EPDM 70

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*
SME52700001001	STD STOCK	1	1400 ±2%	20000 ±2%	1,45	Matt	Smooth	-	0	80 mm
SME52700002001	STD STOCK	2	1400 ±2%	15000 ±2%	2,90	Matt	Smooth	-	0	80 mm
SME52700003001	STD STOCK	3	1400 ±2%	10000 ±2%	4,35	Matt	Smooth	-	0	80 mm
SME52700004001	STD STOCK	4	1400 ±2%	10000 ±2%	5,80	Matt	Smooth	-	0	80 mm
SME52700005001	STD STOCK	5	1400 ±2%	10000 ±2%	7,25	Matt	Smooth	-	0	
SME52700006001	STD STOCK	6	1400 ±2%	10000 ±2%	8,70	Matt	Smooth	-	0	
SME52700008001	STD NOT STOCK	8	1400 ±2%	5000 ±2%	11,60	Matt	Smooth	-	0	
SME52700010001	STD NOT STOCK	10	1400 ±2%	5000 ±2%	14,50	Matt	Smooth	-	0	
SME52700012001	STD NOT STOCK	12	1400 ±2%	5000 ±2%	17,40	Matt	Smooth	-	0	

IDENTIFICATION

Labelling	Self-adhesive label indicating product name, dimensions, area in m^2, 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.

TRELLEBORG
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