

E645 EPDM


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EPDM 70 SHEETING Drinking Water - WRAS certification

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).

APPLICATIONS

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

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.

BENEFITS

- Performance
- Legality
- Hygiene, cleanliness
- Food safety

MAINTENANCE RECOMMENDATION

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

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics		Standard	Value	
MECHANICAL				
Rubber compound - black			EPDM	I
Density			1.15 ±0.05	g/cm³
Hardness		ASTM D2240	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 after 22h at 70 °C		ISO 815-1	≤25	%
TEMPERATURE				
Working temperature			-40/+120	°C
AGEING				
Δ Hardness after 70h at 70 °C		ASTM D573	≤5	Shore A
Δ Tensile strength after 70h at 70 °C		ASTM D573	≤-10	%
Δ Elongation at break after 70h at 70 °C		ASTM D573	≤-30	%
Ozone resistance, 200pphm, 48h, 38 °C, 20%		ASTM D1149 Typ A	No crack	
Swelling in water, 70 h a 23°C		ISO 1817	0	
CHEMICAL RESISTANCE				
Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons	
Very good	Good	Very good	Non suitable	
IDENTIFICATION				
Branding	Without.			
Packaging	Thickness ≤6mm rolled on cardboard tube Ø 80mm. Thickness >6mm in roll.			
Wrapping	Black polyethylene film.			
Labelling	Self-adhesive label indicating product name, dimensions, area in m2, nominal weight, and product code to allow product traceability.			

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.

EPDM		EPDM 70 SHEETING		E645	
THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m ²	SIDES FINISH	
1.5±0.25	1400±2 %	15±2 %	1.72	1 SMOOTH SIDE/1 SHINY SIDE	
2±0.3	1400±2 %	15±2 %	2.29	1 SMOOTH SIDE/1 SHINY SIDE	
3±0.3	1400±2 %	10±2 %	3.44	1 SMOOTH SIDE/1 SHINY SIDE	
4±0.4	1400±2 %	10±2 %	4.59	1 SMOOTH SIDE/1 SHINY SIDE	
5±0.4	1400±2 %	10±2 %	5.73	1 SMOOTH SIDE/1 SHINY SIDE	



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