

Rubber Sheetting

Technical Specification

Ethylene-Propylene Rubber,
EPDM

ID.
E645

Colour
Black

Basic Properties	Units	Standard	Values
Specific Gravity	g/cm ³		1,18
Indentation Hardness	Shore A	ASTM D2240	70
International Hardness	IRHD	ASTM D1415 / ISO 48	
Tensile Strength	MPa	ASTM D412	11,0
Elongation at Break	%	ASTM D412	250
Tear	N/mm	ISO 34 method C	27
Abrasion Resistance	mm ³	DIN ISO 4649 (10 N)	
Abrasion Resistance	mm ³	DIN ISO 4649 (5 N)	
Working Temperatures	°C		-40 / 120

Heat Ageing in a Air Ventilated Oven	Cond. Temp.	Values
Standard ASTM D573	70 C 70 h	Hard. Inc. ShA 5 Tensile Inc. % -15 Elong. Inc. % -40

Compression Set	Cond. Temp.	Values
Standard ASTM D395 Method B	70 C 22 h	% Max 20

Liquid Resistance: ASTM D471	Cond. Temp.	Values
IRM 901 Oil	C h	Volume Inc. %
IRM 903 Oil		Volume Inc. %

Ozone Resistance	Conditions	Values
Standard ASTM D1149	38 C 48 h 200 pphm Ozone Strain % 20	Crack Level: 0

Chemical Resistance

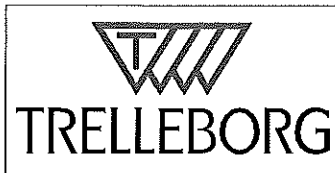
Ozone	Excellent
Diluted Acids and Oils	Excellent
Concentrated Acids and Oils	Good
Hydrocarbons	Non Recommended
Organic Solvents	Moderate

WRAS approved EPDM, for use with potable water up to 23°C.



TRELLEBORG

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Certificate of Conformity

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SUBJECT: WRAS certification

Trelleborg Izarra, S.A.U. hereby certifies our compliance with the below mentioned requirements for non-metallic products for use in contact with water intended for human consumption.

Requirements:

Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water WRAS tests of effect on water quality (**BS 6920: 2000**)

General composition of product: EPDM rubber compound, shore hardness 70
Trelleborg ref: E645
Material manufacturer: Trelleborg Izarra S.A.U.

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). It is suitable for use with cold (potable water up to 23°C) but not hot water.

APPROVAL NUMBER: 1406533

Izarra, 11/11/14
Quality Department
Ignacio Irazabal