



EPDM (WRAS) Technical Datasheet

Description

EPDM (WRAS) is a high quality elastomer with excellent physical properties that meets the requirements of BS 6920-1:2000 and BS EN 681-1 (cold potable water supply 23°C).

Application

EPDM (WRAS) has been developed as a sealing material for potable (drinking) water applications. The materials possess excellent ageing and ozone resistance, but is not suitable for sealing against oils and other hydrocarbons.

Typical Physical Properties

Polymer		EPDM
Density (SG)	ASTM D297-93	1.22/cm ³ (+/-0.03)
Hardness	ASTM D1415-06	66 - 75° Shore A
Tensile Strength	ASTM D412-06	≥ 9.0 MPa
Compression Set	ASTM D395-03	≤ 15% @ 23°C
Compression Set	ASTM D395-03	≤ 20% @ 70°C
Elongation at Break	ASTM 412-06	≥ 200%
Temperature Range		-40 to 120°C
Pressure		24 Bar Maximum

Note:

The above pressure rating is dependent on the operating temperature, and does not apply at the maximum temperature



Availability

Thickness	0.5mm to 25mm
Roll Width	1500mm & 1600mm
Roll Length	10m (0.5mm to 6mm thick) 5m (8mm to 25mm thick)
Specification	WRAS listing numbers are 2307545 and 2307546
Colour	Black

As the company's products are used in multiple applications and as the company has no control over the method of their use, the company excludes all conditions or warranties, expressed or implied by statute or otherwise. Any technical co-operation is given for customers assistance only and with liability on the part of the company.