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WRASEPDMWJ070

WRAS approved EPDM in compliance with BS 6920 W70, BS EN 681-1. Type WA & WD.

This product has satisfied the criteria set out in BS6920: Part 1:2000 and complies with the requirements of the Water Regulations Advisory Scheme tests on effect on water quality.

Grade WRASEPDMWJ070 has been developed for uses as seals in areas where it can be in contact with cold potable water and remains WRAS compliant up to 23°C. Being based on an EPDM polymer, this material possesses excellent ageing and Ozone resistance. For static applications where correct installation methodology has been exercised and without interference of external factors a service life greater than 20 years can be achieved.

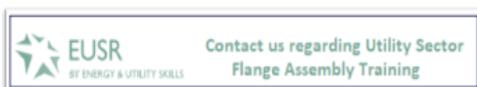
Specification	Standard	Test	Pass	Result
Nomenclature	BS EN 681-1	ISO 1629:2013	✓	EPDM-Ethylene Propylene Diene Monomer
Hardness (IRHD)	BS EN 681-1	ISO 48-2:2018	✓	70 Shore A (66-75)
Ageing	BS EN 681-1	ISO 188:2011		As below
Hardness after 70h @ 70°C		ASTM D573	✓	≤ 5 Shore A
Tensile strength after 70h @ 70°C		ASTM D573	✓	≤10 %
Elongation at break after 70h @ 70°C		ASTM D573	✓	≤-30 %
Ozone resistance. 200pphm, 48h, 38°C. 20%		ASTM D1149 Type A	✓	No crack
Tensile strength	BS EN 681-1	ISO 37:2017	✓	≥ 9 Mpa
Elongation at break	BS EN 681-1	ISO 37:2017	✓	≥200%
Compression set (72 hr @ 23°C, 24hr @ 70°C)	BS EN 681-1	ISO 815-1 2019	✓	15% @ 23°C, 20% @ 70°C
Tear strength	BS EN 681-1	ISO 34-1:2015	✓	≥35 N/mm
Thickness (Gasket)	BS EN 681-1	ISO 3302-1:2014	✓	ST2
Width (Roll)	BS EN 681-1	ISO 3302-1	✓	SW1
Temperature	Not applicable			Working temperature -30°C to 110°C
Volume change in water (70 Hours @ 23°C)	BS EN 681-1	ISO 1817:2015	✓	0
Resistance to Ozone	BS EN 681-1	ISO 1431-1:2012	✓	ASTM D1149= No visible cracking with naked eye

This product is offered in Roll, sheet, strip and die formed shapes.

Most commonly we supply cut gaskets that are dimensionally compatible with BS EN 1092-1, specifically BS EN 1514-1:1997.

Customer specific dimensions can be supplied by agreement.

Correct installation is paramount to the success of any gasket. Please consult with our Technical Department for any advice on material selection and installation methodology.



Disclaimer

Please note, failure to select the correct materials or products we supply ("the Products") may result in damage to plant, equipment or property. In some instances, it may cause death or personal injury. We are not designers and do not give advice about design related matters concerning the Products. We can help and assist with the technical specifications for the Products. In specific applications, particularly where critical conditions exist, we will try to assist you within the limitations of the services that we offer. All information supplied by us is intended as technical co-operation outlining the specifications of the different Products which we supply. To the extent permitted in law, no warranty is given in respect of any information supplied by us. The customer must satisfy themselves as to the suitability of the Products for their intended application and use. The correct fitting of Products is the responsibility of the customer. Your statutory rights remain unaffected. Save in respect of death, personal injury or fraud, our entire liability to you, however arising from the supply of Products shall be limited to the £10M indemnity amount provided by our insurers.