



## **WILLIAM JOHNSTON & COMPANY LIMITED**

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# Black Closed Cell EPDM Medium Sponge High Temp WJSPA318

### General description

UV resistant rubber insulation for higher temperatures, WJSPA318 EPDM Plus is closed cell with highly moisture resistant properties that reliably prevent condensation and pipe corrosion.

EPDM rubber is durable, high temperature and UV resistant, making WJASP318 EPDM Plus appropriate for use on outdoor split air-conditioning and solar hot water pipes which operate at temperatures that melt conventional domestic pipe insulation.

A318 EPDM Plus, in addition to resisting temperatures of up to 150°C, is naturally resistant moisture ingress and chemical inflicted degradation. Together these properties make WJSPA318 EPDM Plus ideally suited for use in demanding industrial process environments where salt water, chemical vapours and high temperatures combine to accelerate corrosion.

### Highlights

- Suitable for use at temperatures up to 150°C
- UV resistant for external use
- Closed cell structure with in-built water vapour barrier
- Inherent moisture resistance with long lasting protection against corrosion

Property	Type	Average Value(s)	Comments
Polymer		EPDM	
Cell Structure		Closed Cell	
Colour		Black	
Upper Temperature Limit	tube & sheet	+150°C	
Upper Temperature Limit	self-adhesive tape	+85°C	
Lower Temperature Limit		-200°C	For temperatures between -50°C and -200°C please ask our Technical Support Team for advice
Thermal Conductivity	at -0°C at +40°C	0.038 W/(m·K) 0.042 W/(m·K)	Test acc. to - EN 12667 - EN ISO 8497
Water Vapour Barrier	<15 %	In-built	
Water Vapour Resistance	Moisture Resistance Factor $\mu$	= 4 500	Test acc. to EN ISO 12086
EuroClass		E	Test acc. to EN 13501-1
Reaction to Fire	>400 %	Self-extinguishing, does not drip	
Environmental Aspects		ODP zero GWP zero Cadmium free	
Health Aspects		Dust & Fibre free Formaldehyde free	
Resistance to ...	Mould UV radiation	Excellent Excellent	
Other attributes	PH-value	neutral	
Outdoor applications		No additional protection against UV radiation required	

**Tolerances: thickness & length**

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Insulation thickness mm	Tubes	Sheet	Rolls
6	± 1.0 mm	± 1.0 mm	± 1.0 mm
9	± 1.5 mm		
10	± 1.5 mm	± 1.5 mm	± 1.5 mm
13	± 1.5 mm	± 1.5 mm	± 1.5 mm
19	± 2.5 mm	± 1.5 mm	± 1.5 mm
25	± 2.5 mm	± 2.0	± 2.0
>=32	± 3.0 mm	± 2.0	± 2.0
Length - all thicknesses	± 1.5%	± 1.5%	+ 5.0% / - 1.5%
Width - all thicknesses		± 2.0%	± 2.0%

Change Control Date	Change
12/07/2015	Created

### 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.