

Specification Sheet / 01 A318 Closed Cell EPDM Plus



General description

UV resistant rubber insulation for higher temperatures, A318 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 A318 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 A318 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	
Lower Temperature Limit		-45°C	-
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 μ	= 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

Insulation thickness mm	Tubes	Sheet	Rolls
6	± 1.0 mm	± 1.0 mm	± 1.0 mm

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ISO 9001:2015 ISO 14001:2015

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



The above figures are average values.
We recommend that you examine any material you select to ensure its suitability for your application.
Tolerance(s) applied in accordance with ASG specification No WI007 (<https://bit.ly/3nKm6Hj>) unless otherwise stated.
Our standard terms and conditions of trading (<https://bit.ly/3b3mThw>) apply at all times.

