



Product Data Sheet

FlowMaxx Insulation

Model	Nominal Pipe Diameter (in.)	R-Value @ 75°F
FlowMaxx-I-1/2IN-3/4IN-1FT	5/8	5.4
FlowMaxx-I-3/4IN-3/4IN-1FT	3/4	4.8
FlowMaxx-I-1IN-3/4IN-1FT	1	4.5
FlowMaxx-I-1-1/4IN-3/4IN-1FT	1.25	4.2
FlowMaxx-I-1-1/2IN-3/4IN-1FT	1.5	4.0
FlowMaxx-I-2IN-3/4IN-1FT	2	3.8
FlowMaxx-I-2-1/2IN-3/4IN-1FT	2.5	3.6
FlowMaxx-I-3IN-3/4IN-1FT	3	3.6
FlowMaxx-I-3-1/2IN-3/4IN-1FT	3.5	3.5
FlowMaxx-I-4IN-3/4IN-1FT	4	3.4

Insulation Notes

- Insulation does not require additional protective finish / barriers when installed outside. Material has been tested in outdoor applications for 20-30 years.
- Rated for continuous service temperature of 300°F
- Available in pre-slit or continuous roll options
- Approved to be used with SunMaxx flat-plate solar hot water systems. For evacuated tube systems, please confirm system service temperatures with Engineering team prior to installation.

Standard Pre-slit lengths: 4ft.

For carton quantities, please contact a Sales Associate.

Certifications & Standards

- ASTM G7 and ASTM G90 (for resistance to weathering)
- ASTM D792

Technical Specifications

Material	Closed-cell, synthetic high-temperature rubber
Thickness	3/4"
Temperature Range	-40°F to 300°F
Maximum Temperature	350°F
Thermal Conductivity Btu-in./hr.-Ft. ² -°F @ 75°F	0.257

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Tube Insulation Technical Data

Description

Black, EPDM-based, flexible, closed-cell elastomeric thermal insulation in tubular and roll form.

Specifications Compliance

ASTM C 534 Type I (Tubular) Grade 2, Type II (Sheet) Grade 2

Approvals, Certifications, Compliances

- Manufactured without CFCs, HFCs, HCFCs, PBDEs, or Formaldehyde

Typical Properties

Specifications	Values	Test Method
Thermal Conductivity BTU x in./h. x ft. ² x °F 75°F mean temperature (24°C)	0.257	ASTM C 177
Water Vapor Permeability Perm-in. [Kg/[s x m x Pa]]	0.10 (0.15 x 10 ⁻¹²)	ASTM C355
Flame Spread and Smoke Developed Index	25/50 rated	ASTM E 84
Water Absorption % by Volume	0.2%	ASTM C 109
Mold Growth: Fungi Resistance: Bacterial Resistance:	Passed	UL181 ASTM G21/C1338 ASTM G22
Pre-Slit Upper Limit ³ Upper Use Limit ¹ : Continuous Service Temperature Lower Use Limit ² :	257°F (125°C) 350°F (175°C) 300°F (148°C) -297°F (-183°C)	ASTM C411 ASTM C534
Ozone Resistance	Excellent	ASTM D 1171
Oil Resistance	Excellent	ASTM Oil No. 1 and No. 3
Ultraviolet (UV) Resistance	Excellent	ASTM G-23

¹ Elastomeric suitable for systems with occasional or intermittent temperatures up to 350° F (175° C), with a recommended exposure limit of one 30-minute period at 350° F (175° C) over 24 hours of operation.

² At temperatures below -20°F (-29°C), elastomeric insulation starts to become less flexible. However, this characteristic does not affect thermal efficiency or water vapor permeability of insulation.

³ Service temperatures above this temperature may result in EPDM sealing contact adhesive to be less effective. For solar thermal insulation (between compensators), we recommend using Eternabond and PVC UV pipe wrap to ensure insulation is properly secured.

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