

AP/Armaflex® Insulation Tape

Fiber Free

The mold resistant, elastomeric, AP/Armaflex pressure sensitive insulation tape that provides a fast, easy method of insulating pipes and fittings



- High-quality AP/Armaflex insulation
- Fast on difficult pipes and fittings
- Controls condensation and heat loss
- Clean, smooth appearance

 **armacell**®



Microban antimicrobial product protection is limited to the product itself and is not designed to protect the users of these products from disease causing microorganisms, or as a substitute for normal cleaning and hygiene practices.*

Technical Data: AP Armaflex Insulation Tape

Description:

A black, closed cell, mold resistant, elastomeric thermal insulation for insulating pipes and fittings

Specifications Compliance:

ASTM C 534, Type I – Grade 1 ASTM E 84, NFPA 255, UL 723 CAN/ULC S102	NFPA 90A, 90B UL 181 ASTM G-21/C1338	ASTM G-22 ASTM D 1056, 2B1	Grade SBE 3 MEA 96-85-M City of LA – RR 7642
--	--	-------------------------------	--

Approvals, Certifications, Compliances:

- Key physical properties are approved by Factory Mutual.
- Made with EPA registered Microban® antimicrobial product protection.
- Manufactured without CFCs, HFCs, HCFCs, PBDEs, or Formaldehyde.
- All Armacell facilities in North America are ISO 9001:2008 certified.

Typical Properties

Specifications:	Values	Test Method:
Thermal Conductivity: Btu • in./h • ft ² • °F (W/mK) 75°F Mean Temperature [24°C] 90°F Mean Temperature [32°C]	0.25 (0.036) 0.256 (0.037)	ASTM C 177 or C 518
Water Vapor Permeability: Perm-in. [Kg/(s • m • Pa)]	0.05 (0.725 x 10 ⁻¹³)	ASTM E 96, Procedure A
Flame Spread and Smoke Developed Index:	25/50 rated	ASTM E 84 Can/ULC S102
Mold Growth:	UL181	UL181
Fungi Resistance :	ASTM G21/C1338	ASTM G21/C1338
Bacterial Resistance:	ASTM G22	ASTM G22
Upper Use Limit: ²	Up to 180°F (82°C)	ASTM C534
Lower Use Limit: ²	-297°F (-183°C) ³	ASTM C534
Ozone Resistance:	GOOD	—

Thickness Recommendations:

Thickness recommendations to control sweating and dripping based upon available manufactured thicknesses and not intended to supersede any state or local building codes.

Air Temperature and Relative Humidity	Pipe Temperature	
	50 °F* (10 °C)	35 °F** (2 °C)
80°F (27°C) & 50% RH	50% overlap	50% overlap
85°F (30°C) & 70% RH	50% overlap plus single layer	50% overlap plus 50% overlap

* Up to 2-5/8" ID – 3/8" (10 mm) required; 3-1/8" ID – 5" IPS – 1/2" (13 mm) required

** Up to 2-5/8" ID – 1/2" (13 mm) required; 3-1/8" ID – 5" IPS – 3/4" (19 mm) required

Approximate Coverage:

Linear feet [Linear Meters] of pipe – one 30-ft (9.1 m) roll

Copper Tubing Size	Installation Methods*						Iron Pipe Size	Installation Methods*					
	A		B		C			A		B		C	
	lin. ft.	lin. m	lin. ft.	lin. m	lin. ft.	lin. m		lin. ft.	lin. m	lin. ft.	lin. m	lin. ft.	lin. m
3/8" OD	15-1/4	[4.6]	8-1/2	[2.6]	15-1/4	[1.7]	1/4" IPS	12	[3.7]	7	[2.1]	4-1/2	[1.4]
1/2" OD	12-3/4	[3.9]	7-1/4	[2.2]	12-3/4	[1.5]	3/8" IPS	10-1/4	[3.1]	6	[1.8]	4	[1.2]
5/8" OD	11	[3.4]	6-1/2	[2.0]	11	[1.2]	1/2" IPS	8-3/4	[2.7]	5-1/4	[1.6]	3-1/2	[1.1]
3/4" OD	9-1/2	[2.9]	5-3/4	[1.8]	9-1/2	[1.1]	3/4" IPS	7-1/4	[2.2]	4-1/4	[1.3]	3	[0.9]
7/8" OD	8-1/2	[2.6]	5	[1.5]	8-1/2	[1.1]	1" IPS	6	[1.8]	3-3/4	[1.1]	2-1/2	[0.8]
1" OD	7-1/2	[2.3]	4-1/2	[1.4]	7-1/2	[1.0]	1-1/4" IPS	5	[1.5]	3	[0.9]	2-1/4	[0.7]
1-1/8" OD	7	[2.1]	4-1/4	[1.3]	7	[0.9]	1-1/2" IPS	4-1/2	[1.4]	2-3/4	[0.9]	2	[0.6]
1-3/8" OD	6	[1.8]	3-1/2	[1.1]	6	[0.8]	2" IPS	3-1/2	[1.1]	2-1/4	[0.7]	1-3/4	[0.5]
1-5/8" OD	5	[1.5]	3-1/4	[1.0]	5	[0.7]	–	–	–	–	–	–	
2-1/8" OD	4	[1.2]	2-1/2	[0.8]	4	[0.5]	–	–	–	–	–	–	

* INSTALLATION METHODS: A – 50% overlap wrapping; B – 50% overlap plus single-layer wrapping; C – 50% overlap wrapping plus overlap wrapping

ARMACELL LLC

TEL: 800.866.5638

FAX: 919.304.3847

info.us@armacell.com

www.armacell.us

7600 Oakwood Street Extension, Mebane, NC 27302



Armacell provides this information as a technical service. To the extent the information is derived from sources other than Armacell, Armacell is substantially, if not wholly, relying upon the other source(s) to provide accurate information. Information provided as a result of Armacell's own technical analysis and testing is accurate to the extent of our knowledge and ability, as of date of printing, using effective standardized methods and procedures. Each user of these products, or information, should perform their own tests to determine the safety, fitness and suitability of the products, or combination of products, for any foreseeable purposes, applications and uses by the user and by any third party to which the user may convey the products. Since Armacell cannot control the end use of this product, Armacell does not guarantee that the user will obtain the same results as published in this document. The data and information are provided as a technical service and are subject to change without notice. * Microban antimicrobial product protection is limited to the product itself and is not designed to protect the users of these products from disease causing microorganisms, or as a substitute for normal cleaning and hygiene practices. Microban International, Ltd. makes neither direct nor implied health claims for the products containing Microban® antimicrobial product protection. Data, photomicrographs and information presented are based on standard laboratory tests and are provided for comparative purposes to substantiate antimicrobial activity for non-public health uses. Microban is a registered trademark of Microban International, Ltd.

Armaflex Tape	Submittal	016	Eng/USA	7/2015
---------------	-----------	-----	---------	--------