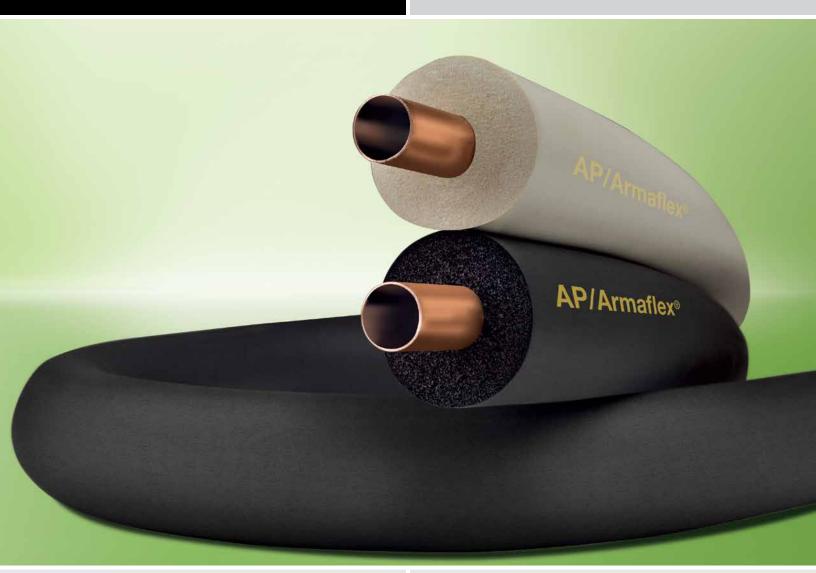
AP/Armaflex[®] White and Black Tube Insulation

The original, fiber-free, flexible elastomeric pipe insulation for reliable protection against condensation and energy loss.

Fiber Free



- Fiber-free, formaldehyde-free, low VOC and nonparticulating formulation protects indoor air quality
- Closed-cell structure provides excellent condensation control
- Built-in vapor barrier eliminates need for additional vapor retarder
- Microban[®] antimicrobial product protection inhibits the growth of mold and mildew in the insulation
- 25/50 rated for use in air plenums up to 2" wall
- Available up to 2" wall

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® Tube Insulation

Description:

Black or white flexible closed-cell elastomeric thermal insulation in a tubular form

Specifications Compliance:

Approvals, Certifications, Compliances:

Key physical properties are approved by Factory Mutual.

- Made with EPA registered Microban[®] antimicrobial product protection.
- GREENGUARD[®] Children & Schools Indoor Air Quality certified.
- 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:
	Through 1"	Wall	1-1/2" & 2" Walls	
Thermal Conductivity: Btu \bullet in /h \bullet ft ² \bullet °F (W/mK)				
75°F Mean Temperature (24°C) 90°F Mean Temperature (32°C)	0.245 (0.0353) 0.254 (0.0366)		0.28 (0.040) 0.286 (0.041)	ASTM C 177 or C 518
Water Vapor Permeability: Perm-in. [Kg/(s • m • Pa)]	0.05 (0.725 x 10 ⁻¹³)		0.08 (1.16 x 10 ⁻¹³)	ASTM E 96, Procedure A
Flame Spread and Smoke Developed Index:	25/50 rated		25/50 rated	ASTM E 84 CAN/ULC S102 ¹
Water Absorption, % by Volume:	0.2%		0.2%	ASTM C 209
Mold Growth: Fungi Resistance: Bacterial Resistance:	Passed		Passed	UL181 ASTM G21/C1338 ASTM G22
Upper Use Limit: ³	220°F (105°C)		220°F (105°C)	ASTM C534
Lower Use Limit: 4	-297°F (-183°C) ⁵		-297°F (-183°C) 5	ASTM C534
Ozone Resistance:	GOOD		GOOD	Ozone Chamber Test
Sizes:				
Wall Thickness (nominal)		3/8", 1/2", 3/4", 1", 1-1/2", 2" (10, 13, 19, 25, 38, 50mm)		
Inside Diameter, Tubular		3/8" ID to 8"ID (10mm ID to 203mm)		
Length of Sections, Feet, Tubular		6' (1.8m)		
Outdoor Use		Painting with WB Finish or other protective jacketing is required for exterior applications.		

¹ AP Armaflex meets CAN/ULC S102 through 1" wall. AP Armaflex Black tested. AP Armaflex White determined to be comparable through 1" wall.

² AP Armaflex meets MIL-P-15280J and MIL-C-3133C (MIL STD 670B) Grade SBE through 1" wall.

³ AP Armaflex Pipe Insulation can withstand temperatures as high as 250°F for 96 hour time periods when tested according to ASTM C411 - Standard Test Method for Hot-Surface Performance of High-Temperature Thermal Insulation.

⁴ At temperatures below -20°F (-29°C), elastomeric insulation starts to become less flexible. However, this characteristic does not affect thermal efficiency and resistance to water vapor permeability of Armaflex insulation.

⁵ For applications of -40°F to -297°F (-40°C to -183°C), contact Armacell.

ARMACELL LLC TEL: 800.866.5638 FAX: 919.304.3847

info.us@armacell.com www.armacell.us 7600 Oakwood Street Extension, Mebane, NC 27302



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AP Armaflex Tube Submittal 017 Eng/USA 9/2015

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