AP ArmaFlex®

Insulation Tape

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

www.armacell.us

armacell®

AP ArmaFlex®

TECHNICAL DATA – AP ArmaFlex® INSULATION TAPE

Description

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

Specification Compliance

ASTM C 534, Type I – Grade 1 ASTM E 84, NFPA 255, UL723 CAN/ULC S102	NFPA 90A, 90B UL 181 ASTM G-21/C1338	ASTM G-22 ASTM D 1056, 2C1 Grade SBE 3	MEA 96-85-M City of LA – RR 7642

Approvals, Certifications, Compliances

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

Typical Properties

Specifications	Values	Test Method
Thermal Conductivity: Btu • in/h • ft2 • °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: **Fungi Resistance:** **Bacterial Resistance:**	UL181 ASTM G21/C1338 ASTM G22	UL181 ASTM G21/C1338 ASTM G22
Upper Use Limit:	Up to 180°F (82°C)	ASTM C534
Lower Use Limit:	-30°F (-34°C)	ASTM C534

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

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.

ABOUT ARMACELL

As the inventors of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal, acoustic and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency making a difference around the world every day. With 3,000 employees and 26 production plants in 17 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for high-tech and lightweight applications and next generation aerogel blanket technology.

For more information, please visit:
www.armacell.us
800-866-5638

armacell®
AP ArmaFlex®