

PROFESSIONAL GRADE

AC AccoFlex

Fiber-free, flexible, elastomeric pipe insulation for reliable protection against condensation, mold, energy loss and ultraviolet radiation in residential and commercial applications.

- // Closed-cell structure provides excellent condensation and energy loss control
- // Effectively retards degradation due to ultraviolet radiation
- // Flexible material with dusted, relaxed ID's for easy installation
- // Superior toughness to withstand on-site handling
- // Built-in vapor retardant barrier eliminates need for additional vapor retarder

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 **armacell**[®]
AccoFlex[®]

TECHNICAL DATA - AC ACCOFLEX® PIPE INSULATION

Description:

Black flexible elastomeric thermal pipe insulation

Applications:

Insulation for piping associated with HVAC, VRV and VRF systems, chillers, hot and cold water, refrigeration.

Specifications Compliance:

ASTM C 534, Type I - Tubular Grade 1

Approvals, Certifications, Compliances:

- Manufactured without CFCs, HFCs, HCFCs, PBDEs, or Formaldehyde.
- All Armacell facilities in North America are ISO 9001 certified.
- Conforms to ASHRAE 90.1 Energy Standards
- Conforms to building codes: International Mechanical Code, IMC, International Energy Conservation Code, IECC, International Residential Code, IRC, Title 24 California Building Energy Efficiency Standards

Typical Properties

Specifications:	Values:	Test Method:
Thermal Conductivity: Btu • in/h • ft ² • °F (W/mK)		
75°F mean temperature (24°C)	0.27 (0.039)	ASTM C 177 or C 518
90°F mean temperature (32°C)	0.276 (0.040)	
Water Vapor Permeability: Perm-in. [Kg/(s•m•Pa)]	0.08 (1.16 x 10 ⁻¹³)	ASTM E 96, Procedure A
Flame Spread and Smoke Developed Index:	25/50 rated	ASTM E 84
Water Absorption: % by Volume	0.2%	ASTM C1763
Mold Growth:	Passed	ASTM G21/C1338
Fungi Resistance:		
Maximum Service Temperature: ^[1]	220°F (105°C)	ASTM C534
Minimum Service Temperature: ^[2]	-297°F [-183°C] ^[3]	ASTM C534
Ozone Resistance:	Good	—

Sizes

Specifications:	Values:
Wall Thickness / ID (nominal)	3/8" and 1/2" Wall Thicknesses available in ID range from 1/4" to 2-1/8" 3/4" Wall Thickness available in ID range from 3/8" to 2- 1/8" 1" Wall Thickness available in ID range from 5/8" to 2-1/8"
Length of Sections, Tubular	6' (1.83 m)

Outdoor Use: No painting is necessary for performance of the product. However, all elastomeric-based cellular insulation will show surface defects after prolonged exposure to UV radiation. Painting will minimize these defects if installed outdoors.

¹ AC AccoFlex 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.

² 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 AccoFlex insulation.

³ For applications of -40°F to -297°F (-40°C to -183°C), contact Armacell.

All data and technical information are based on results achieved under the specific conditions defined according to the testing standards referenced. Despite taking every precaution to ensure that said data and technical information are up to date, Armacell does not make any representation or warranty, express or implied, as to the accuracy, content or completeness of said data and technical information. Armacell also does not assume any liability towards any person resulting from the use of said data or technical information. Armacell reserves the right to revoke, modify or amend this document at any moment. It is the customer's responsibility to verify if the product is suitable for the intended application. The responsibility for professional and correct installation and compliance with relevant building regulations lies with the customer. This document does not constitute nor is part of a legal offer to sell or to contract.

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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 3,135 employees and 24 production plants in 16 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.



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