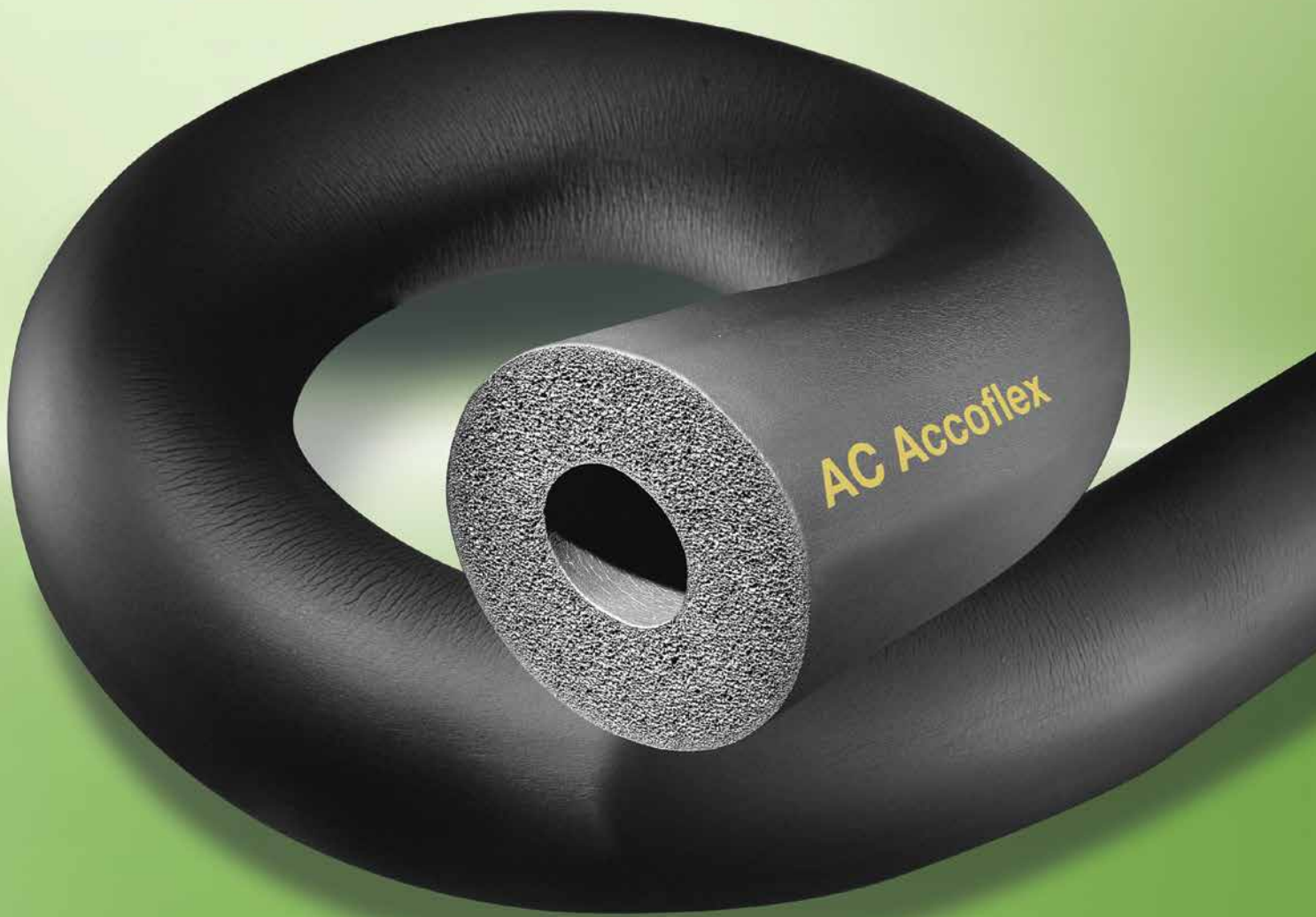


Fiber Free

# AC/Accoflex<sup>®</sup>

Tube Insulation

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

 armacell<sup>®</sup>



## Technical Data: AC Accoflex® Pipe Insulation

### Description:

Black flexible elastomeric thermal pipe insulation

### 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 9001:2008 certified.

### Typical Properties

Specifications:	Values	Test Method:
<b>Thermal Conductivity:</b> Btu • in./h • ft <sup>2</sup> • °F (W/mK) 75°F Mean Temperature [24°C] 90°F Mean Temperature [32°C]	0.27 (0.039) 0.276 (0.040)	ASTM C 177 or C 518
<b>Water Vapor Permeability:</b> Perm-in. [Kg/(s • m • Pa)]	0.08 (1.16 x 10 <sup>-13</sup> )	ASTM E 96, Procedure A
<b>Flame Spread and Smoke Developed Index:</b>	25/50 rated	ASTM E 84
<b>Water Absorption,</b> % by Volume:	0.2%	ASTM C 209
<b>Mold Growth:</b> <b>Fungi Resistance :</b> <b>Bacterial Resistance:</b>	Passed	UL181 ASTM G21/C1338 ASTM G22
<b>Upper Use Limit:</b> <sup>1</sup>	220°F (105°C)	ASTM C534
<b>Lower Use Limit:</b> <sup>2</sup>	-297°F (-183°C) <sup>3</sup>	ASTM C534
<b>Ozone Resistance:</b>	GOOD	—

### Sizes:

<b>Wall Thickness (nominal)</b>	3/8" 1/2", 3/4" and 1" (10, 13, 19 and 25 mm)
<b>Inside Diameter, Tubular</b>	1/4" ID to 4-1/8" ID (6 mm to 105 mm ID)
<b>Length of Sections, Tubular</b>	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.

<sup>1</sup> 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.

<sup>2</sup> 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.

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

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