

**New and Improved "AC"!  
The Choice of  
Today's HVAC/R  
Professional.**

**AC/ACCOFLEX®**

**DESIGNED SPECIFICALLY FOR HVAC/R REQUIREMENTS**

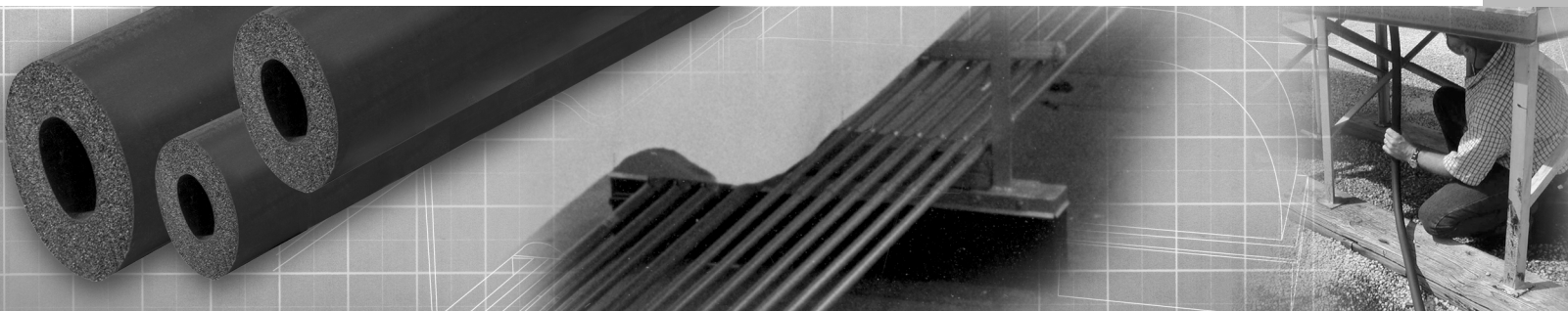
More flexible,  
dusted and  
relaxed IDs

Superior  
toughness

UV retardant

Complete size  
range for HVAC/R

ALL ARMACELL  
FACILITIES IN  
NORTH AMERICA  
ARE ISO 9001:2000  
CERTIFIED.



## Description, Features and Uses

New and improved AC Accoflex is designed to meet the widest range of HVAC and Refrigeration requirements in all climates at a competitive price.

- Flexible in all thicknesses
- Superior AC toughness to withstand on-site handling
- UV retardant: Effectively retards degradation due to ultraviolet radiation with less surface damage than competitive PVC nitriles
- Easy Slide: All tubes are dusted, with relaxed IDs
- Full range of HVAC/R sizes: Nominal wall thicknesses of 3/8" (10mm), 1/2" (13mm), 3/4" (19mm) and 1" (25mm) in the most popular ID sizes
- Meets the energy code requirements for R-value of 2 with 3/8" wall thickness, R-value of 3 with 1/2" wall thickness, R-value of 4 with 3/4" wall thickness and R-value of 6 with 1" wall thickness. For additional information, please refer to Technical Bulletin #4.

AC Accoflex is supplied as black flexible elastomeric thermal insulation. Its cellular foam structure prevents moisture from wicking and makes it an efficient insulation for residential and commercial air conditioning and commercial refrigeration lines. Meets ASTM Specification C 534, Type I - Tubular Grade 1. It is formaldehyde free, low VOC's, fiber free, dust free and resists mold and mildew.

## Application

AC Accoflex Pipe Insulation in unslit tubular form can be slid onto piping before it is connected, or slit lengthwise and installed over piping already connected. In all cases, butt joints and seams are to be sealed with Armaflex 520, 520 Black or 520 BLV Adhesive, coating both surfaces to be joined. Products must be installed according to "Installation of Armaflex Insulations" brochure to assure performance.

*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.*

## Physical Data

### Physical Properties

### Test Method

Physical Properties		Test Method
Thermal conductivity, Btu-in/h-ft <sup>2</sup> °F (W/mK) 75°F (24°C) mean temp 90°F (32°C) mean temp	0.27 (0.039) 0.276 (0.040)	ASTM C 177 or C 518
Water Vapor Permeability, perm-inch [kg/(s-m-Pa)]	0.08 [1.16 x 10 <sup>-13</sup> ]	ASTM E 96 Procedure A
Water absorption by volume	0.2%	ASTM C 209
Flame spread and smoke developed index through 1" (25mm)	25/50	ASTM E 84
Mold growth Fungi resistance Bacterial resistance	UL181 ASTM G21/C1338 ASTM G22	Meets requirements Meets requirements Meets requirements
Ozone resistance	GOOD	—
UV weather resistance	GOOD	QUV Chamber Test
Upper use limit ①	220°F (105°C)	—
Lower use limit ②	-297°F (-183°C)*	—
Sizes Wall thickness (nominal) Inside diameter, tubular Length of sections, tubular	3/8", 1/2" 3/4", 1" (10, 13, 19, 25mm) 3/8" ID to 4-1/8" ID (10mm ID to 105mm ID) 6' (1.83m)	
Density, typical range③	3.0 - 6.0 lbs/cu ft	ASTM D 1622 or D 1667

① On the heating cycle AC Accoflex pipe insulation will withstand temperatures as high as 220°F (105°C). 520, 520 Black or 520 BLV Adhesive may be used with pipe insulation applications up to 220°F (105°C).

② At temperatures below -20°F (-29°C) elastomeric insulation starts to become less flexible. However, this characteristic does not affect thermal efficiency or water vapor permeability of Accoflex insulation.

\* For applications below -40°F to -297°F (-40°C to -183°C), contact Armacell Technical Department.

③ For reference only.



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