

TWICE AS GOOD

# ArmaFlex TwinTube

Armacell's TwinTube line set insulation is the faster, neater way to insulate split systems, combining two separate tubes for pre-insulating separate lines like liquid and suction into a single integrated piece. TwinTube is available in five different ID combinations in 1/2-inch wall thickness.

- // One-piece system
- // Split liquid and suction sides
- // Dual IDs in single tube
- // Performance similar to AP ArmaFlex®

[www.armacell.us](http://www.armacell.us)



 **armacell**<sup>®</sup>  
ArmaFlex<sup>®</sup>

## TECHNICAL DATA – ARMAFLEX TWINTUBE LINE SET INSULATION

### Description

Armacell TwinTube line set pipe insulation is a flexible elastomeric thermal insulation, black in color, supplied in continuous tubing.

### Uses

Line set and other industrial applications.

### Installation

Continuous coil TwinTube Line set insulation uncoils easily so it can be cut to desired lengths for longer runs with less seams and less waste.

### Typical Properties

Physical Properties	Value	Test Method
<b>Thermal Conductivity:</b> Btu • in/h • ft <sup>2</sup> • °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)	
<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>Water Absorption, % by volume</b>	0.2	ASTM C 209
<b>Flame Spread and Smoke Ratings</b>	25/50 rated	ASTM E 84
<b>Flammability, UL, File E55798 @ 7.4 mm thickness</b>	V0 and 5VA	UL94
<b>Upper Use Limit:</b>	220°F (105°C)	-
<b>Lower Use Limit<sup>1</sup>:</b>	-297°F (-183°C)	-
<b>Sizes</b>		
<b>Nominal wall thickness</b>	1/2" (13mm)	
<b>Inside diameter combinations</b>	5/8" and 1/4" IDs 5/8" and 3/8" IDs 5/8" and 1/2" IDs 1/2" and 1/4" IDs 3/8" and 1/4" IDs	
<b>Density, lb/cu.ft</b>	3.0 – 6.0 lbs/cu ft	ASTM D 1662 or D 1667

1. 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 Armacell line set.

All data and technical information are based on results achieved under typical application conditions. 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. By ordering/receiving product you accept the **Armacell General Terms and Conditions of Sale** applicable in the region. Please request a copy if you have not received these.

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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 3,100 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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