



# Tubolit®

## Pipe Insulation

### Durable, economical for domestic lines



- Semi-slit polyethylene insulation
- Saves energy on hot and cold plumbing
- Reduces noise
- From the makers of Armaflex®

## Tubolit Pipe Insulation

**Tubolit Pipe (Tube) Insulation** is an economical thermal solution from Armacell, the makers of Armaflex® and the world's leading supplier of tubular polyethylene insulation.

- **Proven:** Used worldwide for insulating domestic hot and cold plumbing lines
- **Indoor Air Quality-friendly:** Fiber-free, formaldehyde-free, low VOCs
- **Quiet:** Reduces plumbing noise
- **Resists Mold and Mildew**

### Description

**Tubolit Pipe (Tube) Insulation** is a semi-slit 25/50-rated gray closed-cell polyolefin/polyethylene thermal insulation. Particularly effective for cost-efficient thermal insulation of domestic heating and plumbing lines. It is expanded without the use of CFC's, HFC's or HCFC's.

- Available in the most frequently specified pipe sizes and thicknesses

### Use

- Reduces heat loss on hot water plumbing and heat gain on cold-water plumbing systems

Recommended for use on lines operating from -200° F (-129° C) to 200° F (93° C).

### Application

Tubolit is easy to sleeve over new pipework, or cut longitudinally to snap over existing pipework. Installs with simple hand tools and one of our Armaflex adhesives: Armaflex 520, 520 Black or, where a low V.O.C. adhesive is required, 520 BLV. 520 Adhesives are contact adhesives; therefore, in all cases, both surfaces to be joined are coated with adhesive. Tubolit must be protected from direct sunlight exposure and weather elements. It must be protected when installed outdoors and Armaflex WB Finish is recommended or weather-resistant jacketing.

### Specification Compliance

Tubolit Pipe Insulation developed to meet:  
ASTM C 1427, Type I  
MEA 6-02M

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



# Physical Properties

Specifications	Values	Test Method
<b>Thermal Conductivity,</b> Btu • in./h • ft <sup>2</sup> • °F (W/mK) 75°F (24°C) mean temperature	0.25 (0.036)	ASTM C 177 or C 518
<b>Water Vapor Permeability,</b> Perm-inch. [Kg/(s•m•Pa)]	0.0	ASTM E 96, Procedure A
<b>Flame Spread and Smoke Developed Index Through 1" (25 mm) Thickness</b> ②	25/50	ASTM E 84
<b>Mold Growth</b> <b>Fungi Resistance</b> <b>Bacterial Resistance</b>	UL181 ASTM G21/C1338 ASTM G22	Meets requirements Meets requirements Meets requirements
<b>Water Absorption, % by Volume</b>	0.2%	ASTM C 209
<b>Density, lbs/ft<sup>3</sup> (Kg/m<sup>3</sup>)</b> ③	2 (32)	ASTM D 1622
<b>Ozone Resistance</b>	GOOD	—
<b>Upper Use Limit</b> ④	200 °F (93 °C)	—
<b>Lower Use Limit</b> ④	-200 °F (-129 °C)	—
<b>Sizes</b> Wall Thickness (nominal) Inside Diameter, Tubular Length of Sections, Tubular	3/8", 1/2", 3/4" and 1" (10, 13, 19 and 25 mm) 3/8" to 4" IPS ID (10 mm to 114 mm ID) 6" (1.83 m)	—

**Notes**

- ① Average values are not to be used for writing material specifications. Contact Armacell for specification ranges.
- ② Cellular plastics and thermoplastics, such as polyethylene/polyolefin insulation, that may drip, melt, delaminate or draw away from the fire, present unique problems and require careful interpretation of the test results.
- ③ For reference only.
- ④ See Armacell Technical Info-Service #010.



**Armaflex 520, 520 BLV & 520 Back Adhesives**  
Air-drying contact adhesives that are excellent for joining Tubolit seams and butt joints.

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