

Tubolit® W LS

White PE pipe insulation in continuous coil or six-foot lengths, with a durable outer covering that resists abrasion and tears



- Clean, white appearance
- Durable coating with zero permeability
- Meets ASTM E-84 25/50 Rating for plenums
- Closed-cell structure resists mold and mildew
- UV retardant added to minimize ultraviolet degradation
- R Values of R3 or R4 for all pipe sizes

 armacell®



Tubolit W LS

Description:

Tubolit W LS pipe insulation is a white, flexible Polyethylene (PE) thermal insulation with a solid, outer PE coating that makes it UV retardant and abrasion resistant. Tubolit W LS has a closed cell structure that makes it an excellent water and water vapor retarder. Since it has a 25/50 rating according to ASTM E84, Tubolit W LS can be installed anywhere in a home or building including plenum spaces.

Uses:

For line set, AC refrigerant and plumbing lines in commercial and residential buildings

Installation:

Tubolit W LS can be slit easily with a sharp, non-serrated knife and installed over a pipe. Longitudinal and butt joints should be sealed properly with Armaflex 520 adhesive.

Average Physical Properties

Specifications:	Values	Test Method:
Thermal Conductivity: Btu • in/h • ft ² • °F (W/mK)		
75°F Mean Temperature (24°C)	0.28 [0.039]	ASTM C 177 or C 518
Water Vapor permeability: Perm-in (Kg/s-m-Pa)	0.00 [0.0 x 10 ⁻¹³]	ASTM E 96 Procedure A
Water Absorption, % by volume	0.2	ASTM C 1763
Flame Spread and Smoke Developed Index through 1" wall thickness:	25/50 rated	ASTM E 84
Ozone Resistance	Good	
UV Weather Resistance¹	Fair	ASTM G 90
Upper Use Limit:	180°F (82°C)	
Lower Use Limit²:	-200°F (-128°C)	

1. ASTM G 90 is an ASTM standard practice for performing accelerated outdoor weathering of nonmetallic materials using concentrated natural sunlight. WLS samples have been tested according to ASTM G 90 and show minimal degradation after exposure to 360 MJ of sunlight. 360 MJ is approximately equivalent to 1 year of exposure in Phoenix, Arizona. Actual results will vary based on actual UV exposure and other weather conditions. Armacell makes no guarantees about actual UV performance and recommends WLS be coated with WB Finish for maximum longevity when installed outdoors

2. At -100 °F (-73 °C), the insulation becomes hard and brittle. This hardening characteristic does not affect thermal efficiency or water vapor permeability

R-VALUE

1/2" Wall	R3
3/4" Wall	R4

Sizes: Nominal Wall Thickness	Inside Diameter	Length
1/2" (13 mm)	1/4" ID to 1-1/8" ID (6 mm to 28 mm)	6' lengths or continuous coil
3/4" (19 mm)	1/4" ID to 1-1/8" ID (6 mm to 28 mm)	6' lengths or continuous coil

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