



**Tubolit®**  
**SS (SELF-SEAL)**

**QUICK SOLUTION FOR BASIC SAVINGS**

Self-seal  
for quick  
installation

Durable  
polyethylene  
insulation

Saves energy,  
reduces noise

Backed by  
the makers of  
Armaflex®

Closed-Cell  
foam



Tubes



Sheets & Rolls



Pipe Hangers



Insulation Tape



Sundries





**Description**

Tubolit Self-Seal is a 25/50-rated flexible black polyolefin/polyethylene pipe insulation for saving energy while reducing noises. Particularly effective for cost-efficient thermal insulation of domestic heating and plumbing lines. It is available pre-glued on both sides of the seam in the most frequently specified pipe sizes and thicknesses. Tubolit SS is expanded without the use of CFCs, HFCs or HCFCs. It is also formaldehyde free, low VOCs, fiber free, dust free and resists mold and mildew.

**Uses**

Tubolit SS is recommended for use on lines operating from 0°F (-17°C) to 180°F (82°C). It effectively reduces heat loss on hot-water plumbing and heat gain on cold water plumbing systems.

**Installation**

Tubolit SS is snapped over new or existing pipework. Installs with simple hand tools and Armaflex 520 adhesive or, where a low V.O.C. is required, Armaflex 520 BLV Adhesive for butt joints. Tubolit must be protected from direct sunlight exposure and weather elements and must be protected when installed outdoors with weather-resistant jacketing or WB Armaflex® Finish. The temperature of the air, of the insulation and of the installation surface must be between 40°F (+4°C) and 100°F (38°C) at the time of installation.

**Specification Compliance**

- MEA 6-02-M
- ASTM C1427 Type I

**Physical Data**

**Average Physical Properties** ①

**Test Method**

|   |   |  |
|---|---|--|
| Thermal conductivity,<br>Btu • in/h • ft <sup>2</sup> °F (WmK)<br>75° (24°C) mean temp                    | 0.25 (0.036)  | ASTM C 177<br>or C 518   |
| Water vapor transmission,<br>perm-in [kg/(s•m•Pa)]  | 0.02 (2.9 x 10 <sup>-4</sup> )  | ASTM E 96<br>Procedure A                                       |
| Flame spread and smoke<br>developed index<br>through 1" thicknesses ②                                     | 25/50   | ASTM E 84  |
| Mold growth<br>Fungi resistance<br>Bacterial resistance   | UL181<br>ASTM G21/C1338<br>ASTM G22   | Meets requirements<br>Meets requirements<br>Meets requirements |
| Upper use limit ③   | 180°F (82°C)  |  |
| Lower use limit ③   | -200°F (-129°C)   |  |
| Ozone resistance  | GOOD  |  |
| Sizes<br>Wall thickness (nominal)<br>Inside diameter, tubular form<br>Length of sections,<br>tubular form | 3/8", 1/2", 3/4" and 1" (10, 13, 19, 25mm)<br>3/8" to 4" IPS (10mm to 114mm ID)<br>6' (1.83m) |  |
| Density, lbs/ft <sup>3</sup> (Kg/m <sup>3</sup> ) ④   | 2 (32)  | ASTM D 1622  |

**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.



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