

Fiber Free

# Tubolit<sup>®</sup> SS

Tube Insulation

The economical polyethylene insulation, with a labor-saving self-seal system, for residential heating and plumbing lines



- Closed-cell structure provides condensation and energy loss control
- Flexible material and self-seal system makes application easy and reduces installation time
- Economical choice for domestic lines



## Technical Data: Tubolit® SS (Self-Seal)

### Description:

Black flexible polyolefin/polyethylene thermal insulation in tubular form with a self-seal system

### Specifications Compliance:

MEA 6-02-M

ASTM C 1427 Type 1

### Approvals, Certifications, Compliances:

- GREENGUARD® Children & Schools Indoor Air Quality certified.
- All Armacell facilities in North America are ISO 9001:2008 certified.
- Manufactured without CFCs, HFCs, HCFCs, PBDEs, or Formaldehyde.

### Typical Properties

| Specifications:   | Values                          | Test Method:                        |
|---|---------------------------------|-------------------------------------|
| <b>Thermal Conductivity:</b><br>Btu • in./h • ft <sup>2</sup> • °F (W/mK)<br>75°F Mean Temperature [24°C] | 0.25 [0.036]                    | ASTM C 177 or C 518                 |
| <b>Water Vapor Permeability:</b><br>Perm-in. [Kg/[s • m • Pa]]  | 0.00 [0.0 x 10 <sup>-13</sup> ] | ASTM E 96, Procedure A              |
| <b>Flame Spread and Smoke<br/>Developed Index:</b> <sup>1</sup>   | 25/50 rated                     | ASTM E 84                           |
| <b>Mold Growth:</b><br><b>Fungi Resistance :</b><br><b>Bacterial Resistance:</b>                          | Passed                          | UL181<br>ASTM G21/C1338<br>ASTM G22 |
| <b>Upper Use Limit:</b> <sup>2</sup>  | 180°F [82°C]                    | ASTM C534                           |
| <b>Lower Use Limit:</b> <sup>2</sup>  | -297°F [-183°C] <sup>3</sup>    | ASTM C534                           |
| <b>Ozone Resistance:</b>  | GOOD                            | —                                   |

### Sizes:

|   |  |
|---|--|
| <b>Wall Thickness (nominal)</b>         | 3/8" 1/2", 3/4" and 1" [10, 13, 19 and 25mm] |
| <b>Inside Diameter, Tubular Form</b>    | 3/8" to 4" IPS ID [10mm to 114mm ID]         |
| <b>Length of Sections, Tubular Form</b> | 6' [1.83m]                                   |

<sup>1</sup> 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.

<sup>2</sup> See Armacell Technical Info-Service #010.

<sup>3</sup> For applications of -40°F to -297°F [-40°C to -183°C], contact Armacell.

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