

## Product Specifications

### PRODUCT FEATURES

- For HVAC and Plumbing Industrial, Commercial and Residential Use
- Made of a Proprietary Form of Closed Cell Polyolefin
- Available in a Wide Range of Inside Diameters and Wall Thicknesses
- Self-Seal, Full-Slit and Half-Slit Available
- Cost Effective
- Completely Recyclable
- High Tear Resistance and Elongation
- More Flexible than Standard Polyethylene
- Flexible Year-Round Pipe Protection from Freezing and Condensation
- Resistant to Mold Growth
- Non-Porous
- Fiber-Free
- Very Low Water Vapor Permeability - No Additional Vapor Barriers Required
- Manufactured without CFCS, HCFCs, HFCS, PBDEs and Formaldehyde
- Indoor Air Quality: Low VOC, Fiber-Free, Non-Particulating, Formaldehyde-Free



### Properties

### Values

Maximum Use Temperature	220 F (104 C)
Minimum Use Temperature	-297 F (-183 C)
Density	1.2 to 2.0 PCF Nominal
Flame/Smoke	Less than 25/50 (ASTM E-84)
	Up to 1" wall thickness (non-coated)
	Passes MVSS302
Color	Black/Grey/White
Compressive Strength @ 25%	3.5-5 PSI
Tensile Strength	30 PSI
Elongation	150%
Flexibility	Good
Thermal Stability	Less than 3% Linear shrinkage
Odor Emission	No objectionable odor
Ozone Resistance	Good

## InnoTough Hi-Temp Pipe Insulation for HVAC and Plumbing

Insulation ID Nominal	Foam Pipe Insulation R Values	
	1/2" Wall	3/4" Wall
	1/4"	4.87
3/8"	4.35	6.69
1/2"	4.04	6.18
5/8"	3.79	5.79
3/4"	3.67	5.65
7/8"	3.53	5.33

Compatible with common types of piping — copper, steel, PVC, CPVC, PEX

#### Approvals, Certifications, Compliances:

ASTM C 1427, Type 1 (Tubes)

Plenum Rated

Conforms to ASHRAE 90.1 Energy Standards

Building codes conformation:

International Mechanical Code (IMC)

International Energy Conservation Code (IECC)

California title 24 Building Energy Efficiency Standards

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Patent# 11,161,952