



# PIPE INSULATION PRODUCT-SHEET

For HVAC & Plumbing Industrial, Commercial and Residential Use

## SAME TIME AND MONEY ON EVERY JOB

PTI provides insulation solutions for residential, commercial, and retail copper plumbing and HVAC applications with its **InnoFoam™**, **InnoTough™**, and **InnoShield™** options to suit a variety of needs and budgets. Using proprietary formulations and manufacturing processes, these solutions all provide superior protection versus traditional rubber insulation and are available unslit, pre-slit, and with options for adhesive self-seal strips and special coating to further enhance durability and protection.

## PTI DELIVERS THE QUALITY AND PERFORMANCE YOU NEED FOR YOUR PIPE INSULATION

All PTI foam products are manufactured according to the highest standards and quality levels and are constructed from LDPE foams which are accepted at many recycling facilities and commonly recycled into items such as laundry detergent bottles, oil bottles, recycling containers, plastic lumber, doghouses, picnic tables, storage bins, and other products. Furthermore, our foams are low VOC, fiber-free, non-particulating, and formaldehyde-free.

### WHY CHOOSE PTI PIPE INSULATION?

#### MOLD RESISTANT

Our foams are closed-cell and non-porous which minimizes moisture ingress. This results in longer life and resistance to mold and mildew.

#### YEAR ROUND PROTECTION

Our foams offer flexible year-round pipe protection from freezing and condensation whereas rubber insulation degrades quickly in adverse climates.

#### TEAR RESISTANCE

Our closed-cell pipe insulation offer superior rigidity and resists rips and tears whereas various rubber insulation is vulnerable to surface damage during installation.

**InnoShield™ InnoTough™ InnoFoam™**

# BRANDS

**InnoFoam™**



**InnoFoam™** is the perfect choice for year-round protection and flexibility for a wide variety of environments and applications. InnoFoam comes standard in 6' lengths, but is also available in continuous lengths and a range of wall thicknesses from 3/8" to 1.5".

**InnoTough™**



**InnoTough™** offers a cost-effective replacement for more expensive insulation alternatives. Made with a proprietary engineered foam, InnoTough is tougher than standard PE pipe insulation with greater elongation and a broader temperature use range of -297°F to +220°F.

**InnoShield™**



**InnoShield™** offers premium protection with the same engineered foam as InnoTough with additional coating to offer increased UV protection and tear resistance, as well as greater ease of installation.

	Max Use Temp	Min Use Temp	Density	Flame/Smoke	Color	Comprehensive Strength @ 25%	Tensile Strength	Elongation	Flexibility	Thermal Stability	Odor Emission	Ozone Resistance	Weather Resistance
<b>InnoFoam</b>	200°F (93° C)	-200°F (-129° C)	1.0 to 1.5 PCF Nominal	Less than 25/50 (ASTM E-84) Up to 1 1/2" wall thickness Passes MVSS302	Black/Gray	2.0 to 5.0 PSI	30 PSI	50%	Good	Less than 3% linear shrinkage	No objectionable odor	Good	
<b>InnoTough</b>	220°F (104° C)	-297°F (-183° C)	1.2 to 2.0 PCF Nominal	Less than 25/50 (ASTM E-84) Up to 1" wall thickness (non-coated) Passes MVSS302	Black/Gray	3.5 to 5.0 PSI	30 PSI	150%	Good	Less than 3% linear shrinkage	No objectionable odor	Good	
<b>InnoShield</b>	220°F (104° C)	-297°F (-183° C)	1.2 to 2.0 PCF Nominal	Less than 25/50 (ASTM E-84) Up to 1 1/2" wall thickness (coated) Passes MVSS302	Black/Gray	3.5 to 5.0 PSI	30 PSI	150%	Good	Less than 3% linear shrinkage	No objectionable odor	Good	Passes ASTM C1775

#### Approvals, Certifications, Compliances:

**ASTM C 1427, Type 1 (Tubes)**

**Can be used in Plenum**

**Conforms to ASHRAE 90.1 Energy Standards**

**Building codes conformation:**

**International Energy Conservation Code (IECC)**

**International Mechanical Code (IMC)**

**California title 24 Building Energy Efficiency Standards**

All data and technical information are based on results achieved under the specific conditions defined according to the testing standards referenced. Despite taking every precaution to ensure that said data and technical information are up to date, PTI does not make any representation or warranty, express or implied, as to the accuracy, content or completeness of said data and technical information. PTI also does not assume any liability towards any person resulting from the use of said data or technical information. PTI reserves the right to revoke, modify or amend this document at any moment. It is the customer's responsibility to verify if the product is suitable for the intended application. The responsibility for professional and correct installation and compliance with relevant building regulations lies with the customer. This document does not constitute nor is part of a legal offer to sell or to contract.

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