



# InnoFoam<sup>®</sup>

Self-Seal Polyethylene Pipe Insulation

## PLUMBING

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# InnoFoam®

## Self-Seal Polyethylene Pipe Insulation

Hot & Cold-Water Plumbing | Freeze Protection

InnoFoam® is a flexible closed-cell polyethylene foam pipe insulation designed to retard heat gain or loss, control condensation and provide freeze protection. Available in pre-slit self-seal tubes, it is ideal for residential and light commercial applications. Made in the U.S.A.

Wide range of ID sizes and thicknesses available. See back cover.

Color: Black

### Fast, simple to install

InnoFoam® pre-slit tubes with high-performance factory-applied pressure sensitive adhesive (PSA) along longitudinal seams with high-visibility release lines for time and labor-saving applications

Adjoining tubes sealed with recommended Aerocel® adhesive

### Superior Performance

Compatible with common types of piping - steel, copper, PVC, CPVC, PEX and ABS

High tear resistance, elongation and tensile strength

Low water vapor permeability

### Safe for Indoor and Outdoor Environments\*

Low-VOC

Manufactured without CFC's, HCFC's, HFC's, PBDE's and formaldehyde

Fiber-free, non-particulating

Mold-resistant

Passes ASTM E84 25/50 (to 1-1/2" thick)

\*Note: National, state & local energy codes require protection of cellular foam pipe insulation from solar radiation for exterior applications. Jackets and insulation coatings are acceptable. Adhesive tapes are not permitted.



### Aeroflex insulation system solutions



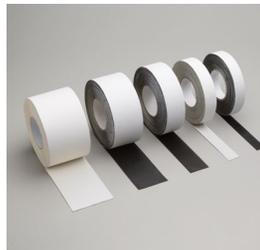
#### Aerofix®

Light-weight, rigid pipe supports, pre-insulated with closed-cell EPDM foam rubber and encased with zero-perm EPDM polymer membrane. Includes built-in pressure sensitive Protape® closure system



#### Aeroflex Adhesives

Specially formulated adhesives for bonding and vapor-sealing Aerocel insulation. Fast tack and LVOC formulations available.



#### Protape®

Zero-perm EPDM-based, self-adhering rubber tape for sealing glued insulation seams and termination points.



#### Aerocoat™

Premium insulation coating specially formulated for Aerocel EPDM insulation to provide UV protection for exterior applications and as a decorative finish.

**Product:** Closed-cell flexible polyolefin foam insulation for hot/cold water plumbing and freeze protection.

**Standard Specification:** ASTM C 1427, Type 1

#### Thermal Conductivity (K) Btu-in/hr-Ft<sup>2</sup> -°F (W/m.K)

Mean Temperature	K Value	Test Method
75°F (24°C)	0.25	ASTM C 518 / C 177
90°F (32°C)	0.27	

#### Physical and Operational Properties

Property	Test Value/Rating	Test Method
Service Temperature, CONTINUOUS	-200°F to 200°F (-129°C to 93°C)	ASTM C 411
UV Resistance	Good	ASTM G 154
Ozone Resistance	Good	ASTM D 1171
Water Vapor Permeability, Max	< 0.05 perm-inch	ASTM E 96 (Procedure A)
Water Absorption (% by Volume), Max	< 0.2%	ASTM C 1763
Fire Safety Characteristics through 1-1/2"	< 25/50	ASTM E 84
Fungi Resistance	Passes	ASTM G 21
Density, Lbs. per Cubic Foot (PCF)	1.0 to 1.8	ASTM D 1622
Compressive Strength (25%)	2.0 to 5.0 PSI	ASTM C 165 / C 1621
Tensile Strength	30 PSI	
Elongation	50%	
Thermal Stability, Liner Shrinkage	< 3.0%	ASTM C 356
Odor Emission	No objectionable odor	
VOC emissions	Negligible	

#### Additional Approvals, Certifications & Compliance

ANSI/ASHRAE/IES Standard 189.1	International Green Construction Code® (igCC®)
ANSI/ASHRAE/IES Standard 90.1	Energy Standard for Buildings Except Low-Rise Residential Buildings
IECC®	International Energy Conservation Code®
CA Title 24	California Building Energy Efficiency Standards



**InnoFoam® Pipe Insulation R-Values**

Pipe Size (inches)	Wall Thickness (inches)			
	<b>3/8</b>	<b>1/2</b>	<b>3/4</b>	<b>1</b>
1/4	NA	NA	NA	NA
3/8	2.73	NA	NA	NA
1/2	NA	3.66	NA	NA
5/8	2.57	3.54	5.70	8.07
3/4	NA	3.60	NA	NA
7/8	2.28	3.15	5.07	7.20
1-1/8	2.17	2.98	4.76	6.72
1-3/8	2.11	2.88	4.88	6.41
1-5/8	2.22	2.97	4.56	6.36
2-1/8	2.02	2.71	4.20	5.83
2-3/8	NA	2.71	4.14	5.74
2-5/8	2.05	2.71	4.13	5.68
3-1/8	NA	2.73	4.10	5.58
3-5/8	NA	2.74	4.08	5.51
4-1/8	NA	2.78	4.09	5.48
4-1/2	NA	2.82	4.11	5.47