



InnoFoam®

Self-Seal Polyethylene Pipe Insulation

PLUMBING





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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-Ft² -°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)			
	3/8	1/2	3/4	1
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