



TRADE NAME:

**IMCOLOCK<sup>®</sup>, IMCOSHEET<sup>™</sup>**

DESCRIPTION:

Engineered Polymer Foam Insulation  
(A flexible, polymer based, low density, closed cell, chemically inert pipe and sheet insulation)

**PHYSICAL PROPERTIES:**

<b>Operating Temperature Limits</b>	210°F Maximum -330°F Minimum	(ASTM C 411)
<b>Color</b>	Black	
<b>Density</b>	1.5 lbs/ft <sup>3</sup>	(ASTM D 1622, ASTM D 3575)
<b>Water Vapor Permeability</b>	0.0 perm-in	(ASTM E 96)
<b>Water Absorption</b>	0.0% (by volume)	(ASTM C 209)
<b>Linear Shrinkage @ 200°F</b>	< 4.0%	(ASTM C 534)
<b>Mold Growth/Humidity; Air Erosion</b>	No mold growth; No erosion	(UL 181, Sections 12 & 17)
<b>Flame Spread (up to 1" wall)</b>	not greater than 25	(ASTM E 84, CAN/ULC-S102.2-M88)
<b>Smoke Developed (up to 1" wall)</b>	not greater than 50	(ASTM E 84, CAN/ULC-S102.2-M88)
<b>Thermal Conductivity @ 75°F</b>	0.25 Btu-in/hr-ft <sup>2</sup> -°F	(ASTM C 177, ASTM C 518)

STANDARD SIZES:

**IMCOLOCK**

1/4" CTS through 4" IPS  
3/8", 1/2", 3/4", 1" wall (6' lengths);  
5"-12" IPS, 1" wall (3' lengths).  
**Note:** 3' lengths are NOT pre-glued

**IMCOSHEET**

Continuous rolls, 48" wide  
Individual sheets 36" x 48"  
Available thicknesses: 3/8"  
1/2", 3/4", 1", 1-1/2", and 2"

**APPLICATION CONSIDERATIONS/USES:** IMCOLOCK: pre-slit pipe insulation with a pressure sensitive adhesive closure system (pre-glued). IMCOSHEET: sheet insulation. Used primarily for ambient service to retard heat gain and control condensation drip. Also used for reducing heat flow for hot water plumbing and liquid heating, dual temperature piping and for air conditioning and refrigeration systems. Competitive on an installed cost basis with other types of insulation for its recommended service.

**SPECIFICATION COMPLIANCE:**

ASTM C 534\*, ASTM E 162, ASTM E 662,  
UL 94 HBF, NFPA 90A/B

- ◆ Factory Mutual Research Corporation, Approved and Listed in Approval Guide
- ◆ New York City Department of Buildings, MEA #267-92-M VOL.II
- ◆ City of Los Angeles, General Approval, Research Report RR 8316
- ◆ Dade County, Florida, Product Control Approved, Acceptance No. 95-1215.08

\*ASTM C 534 is limited to elastomeric materials. IMCOLOCK and IMCOSHEET meet or exceed all physical requirements listed in ASTM C 534 with the exception of density.