

NOMACO®



- Thermal Conductivity
- Water Vapor Transmission
- Combustion Properties

Made in
America

NOMALOCK® WHITECH®

The Recognized Leader in Engineered Polymer Foam Insulation Technology™



PLUMBING

HVAC

REFRIGERATION

Features & Benefits

- Meets ASTM C 1427
- Flame spread rating of not greater than 25 and a smoke density rating of not greater than 50 when tested in accordance with ASTM E 84
- Free of Environmentally Hazardous CFCs and HCFCs
- Non-toxic, non-corrosive, fiber free
- Water Vapor Transmission Rate of 0.0 perm-in, non-porous
- Chemically Inert to Most Hydrocarbons and Acids
- Does not support mold or fungus growth
- Temperature range of -330°F to +210°F
- Pressure-Sensitive NOMALOCK Provides User-Friendly Installation

General Information

Flexible, closed cell polyolefin insulation for piping systems. Superior 'R' value and water vapor transmission. No residual chlorine from foaming agent eliminates insulation as source of harmful corrosive constituents. New zero ozone depletion manufacturing process. NOMALOCK is acceptable for use in duct/plenum applications meeting the requirements of NFPA 90A.

NOMALOCK Pipe Insulation

- Superior pressure sensitive adhesive seam closure system
- Installation over a wide temperature range
- Greater joint strength at all operating temperatures
- Up to 50% reduction in installation costs over conventional commercial pipe insulation products
 - Available in six foot lengths
 - Sizes 3/8" ID through 4-1/2" ID
 - Wall thicknesses of 3/8", 1/2", 3/4" and 1"

WHITECH

- Supplied in white - same features as NOMALOCK

Applications

- Chilled water systems
- Halogen refrigeration systems
- Ammonia refrigeration systems
- Glycol refrigeration systems
- Humidifier piping
- Plenums and air ducts
- Condensate drain lines
- Residential hot & cold water
- Underground piping
- Tanks and vessels
- Cryogenic systems

* For high abuse areas, a protective jacketing (PVC) should be used. Coatings do not adhere well to polyolefin insulation.

Technical Data

NOMALOCK and WHITECH are closed-cell polyolefin insulation products that answer the demands and problems of modern plumbing, HVAC, and refrigeration applications. Meets requirements of ASTM C 1427. Should additional information on these or other products be needed, please call or fax your inquiry to the numbers listed below.

Physical Characteristics	Units	Properties	Testing Methods
Maximum Operating Temperature	°F	210	ASTM C 411
Minimum Operating Temperature	°F	-330	
Color		Black/White	
Density	lbs/ft ³	1.5	ASTM D 1622, ASTM D 3575
Water Vapor Permeability	Perm-in	0.0	ASTM E 96
Water Absorption	% by Vol.	0.0	ASTM C 209
Linear Shrinkage @ 200°F	%	less than 4.0	ASTM C 1427
Mold Growth/Humidity; Air Erosion		None	UL 181, Sections 12 & 17
Flame Spread (up to 1" wall)		not greater than 25	ASTM E 84 CAN/ULC-S102.2-M88
Smoke Density (up to 1" wall)		not greater than 50	ASTM E 84 CAN/ULC-S102.2-M88
Thermal Conductivity @ 75°F	Btu-in/hr-ft ² -°F	0.25	ASTM C 177, ASTM C 518

Specification Compliance ASTM C 1427, NFPA 90 A/B.

- Factory Mutual Research Corporation, Approved and Listed in Approval Guide
- New York City Department of Buildings, MEA #363-95-M
- City of Los Angeles, General Approval, Research Report RR 8316
- Dade County, Florida, Product Control Approved, Acceptance No. 95-1215.08

Pipe "R" Values per square foot

Pipe O.D. or Nominal Insulation I.D.		R Value 3/8" (10 mm) Wall	R Value 1/2" (13 mm) Wall	R Value 3/4" (19 mm) Wall	R Value 1" (25 mm) Wall
3/8"	10 mm	2.5	3.6	6.0	8.8
1/2"	13 mm	2.3	3.3	5.5	8.0
5/8"	16 mm	2.2	3.1	5.2	7.5
3/4"	19 mm	2.1	3.0	4.9	7.1
7/8"	22 mm	2.0	2.9	4.7	6.8
1-1/8"	29 mm	1.9	2.7	4.4	6.5
1-3/8"	35 mm	1.9	2.6	4.2	6.1
1-5/8"	41 mm	1.8	2.5	4.1	5.8
2"	50 mm	1.8	2.4	3.9	5.5
2-1/8"	54 mm	1.7	2.4	3.9	5.5
2-3/8"	60 mm	1.7	2.4	3.8	5.3
2-5/8"	67 mm	1.7	2.3	3.7	5.2
2-7/8"	72 mm	1.7	2.3	3.7	5.1
3-1/8"	79 mm	1.7	2.3	3.6	5.1
3-1/2"	89 mm	1.7	2.3	3.6	5.0
3-5/8"	92 mm	1.6	2.3	3.5	4.9
4-1/8"	105 mm	1.6	2.2	3.5	4.8
4-1/2"	115 mm	1.6	2.2	3.5	4.8

Note: "R" factors were calculated using a K factor of .250 (75°F, 24°C mean temp.) and nominal wall thickness in each case. Lower operating temperatures will result in improved R values. Contact Technical Services for specific recommendations.



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