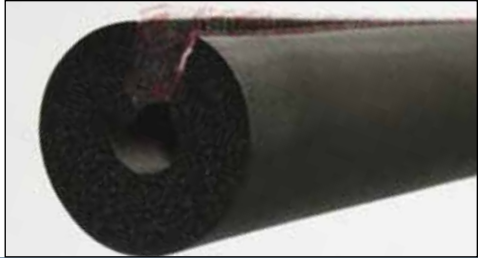


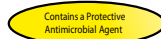
# INSUL-LOCK® SEAM-SEAL



Flexible Closed-Cell Pipe Insulation Designed for the HVAC/R Industry



Made in USA



UV resistant (Refer to K-Flex USA, L.L.C. Technical Bulletin (Outdoor Applications) for More Information)

## FEATURES AND BENEFITS

- Flexible elastomeric insulation, pre-slit with a factory-applied Pressure Sensitive Adhesive (PSA).
- Available in 6 and 3 Foot lengths and in black or white tubes.

- Retard heat flow and prevent condensation.
- Easy handling and installation. (3 Foot tubes make it easier to seal in hard-to-reach areas).
- GREENGUARD® certified as low VOC materials, “Children and Schools” classification, and listed as “Mold Resistant”.

- Insul-Lock® Seam-Seal is recommended for applications ranging from -70°F to 200°F.
- Less usage of contact adhesives.
- Low transmittance vapor retarder.

Physical Properties	INSUL-LOCK® Insulation		Test Methods
Thermal Conductivity (K)	90°F (32°C) Mean Temp	.27 (.039)	ASTM C 177/C 518
BTU - in/hr - Ft <sup>2</sup> - °F (W/mK)	75°F (24°C) Mean Temp	0.25 (0.036)	ASTM C 177/C 518
Density		3-6 PCF	ASTM D 1622/D 3575
Operating Temperature Range	Upper	200°F (93°C)	
	Lower	-70°F (-57°C)	
Water Vapor Permeability Dry Cup. Perm-In		<0.06	ASTM E 96
Water Absorption %		<0.20 by volume	ASTM C 209
Flame Spread (up to 1-1/2" wall)		Not greater than 25	ASTM E 84
Smoke Developed (up to 1-1/2" wall)		Not greater than 50	ASTM E 84
Ozone Resistance		Pass	ASTM D 1171
Chemical/Solvent Resistance		Good	
Mildew Resistance/Air Erosion		Pass	UL 181

## INSUL-LOCK® “R” Values

Pipe O.D or Normal 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"	2.6	3.5	5.5	-
1/2"	2.5	3.3	5.2	-
5/8"	2.4	3.2	5.3	7.4
3/4"	2.3	3.0	5.3	7.3
7/8"	2.2	3.1	5.3	7.0
1-1/8"	2.3	3.1	5.5	7.1
1-3/8"	2.1	3.1	5.2	7.2
1-5/8"	2.5	3.1	5.2	7.1
1-1/2" IPS	2.4	3.0	5.0	6.7
2-1/8"	2.5	3.2	5.0	6.8
2" IPS	2.5	3.1	4.9	6.6
2-1/2" IPS	2.5	3.2	4.8	6.4
2-5/8"	2.4	3.2	4.8	6.5
3-1/8"	2.3	3.1	4.6	6.2
3" IPS	2.4	3.3	4.7	6.2
3-5/8"	2.3	3.2	4.6	6.0
4-1/8"	2.3	3.1	4.6	5.9
4" IPS	2.3	3.2	4.6	5.9

Note: “R” factors were calculated using a K factor of 0.2575 (0.25 plus 3% test error allowance at 75° F, 24°C mean temp.) and nominal wall thickness is each case. Lower operating temperatures will result in improved R values. Contact Technical Services for specific recommendations.

## SPECIFICATION COMPLIANCE

- ASTM C 411 (Test Method for Hot Surface Performance of High Temperature Thermal Insulation)
- ASTM C 534 Type 1 (Tubing), Grade 1
- ASTM D 1056-00-2C1
- ASTM E 84 1-1/2" 25/50-tested according to UL 723 and NFPA 255 complies with requirements of CAN/ULC S102-03
- New York City MEA 186-86-M Vol. V
- UL 94-5V Flammability Classification (Recognition No. E300774)
- FMRC Approval Guide Chapter 14 Pipe Insulation
- Meets requirements of NFPA 90A Sect. 2.3.3 for Supplementary Materials for Air Distribution Systems
- Meets requirements of UL 181 sections 11.0 and 16.0 (Mold Growth/Air Erosion)



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