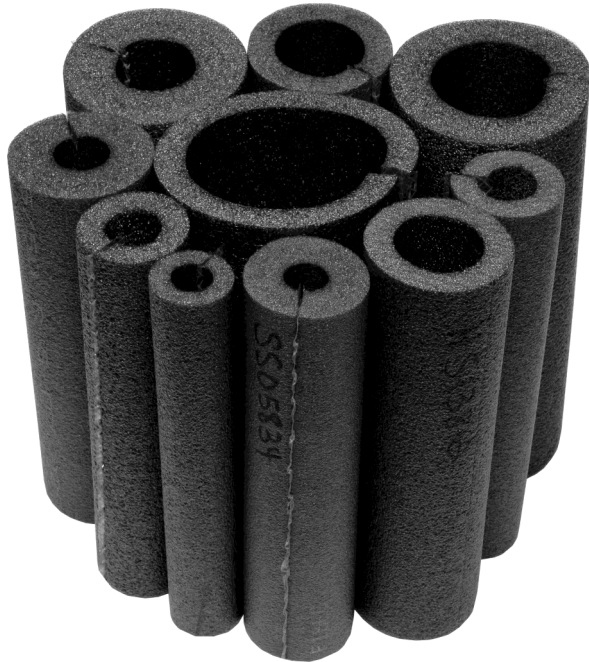


Insulation



Insulation Closed Cell Polyethylene Foam

LSP Foam pipe insulation is CFC, HCFC, HFC, chlorine free flexible, closed cell thermal insulation. It is black in color and is available in half slit and seal sealing tubular form.

LSP PE foam insulation is non-porous, non-fibrous and resists mold growth.

LSP PE foam is completely recyclable and cost effective.

Sizes

- Wall thickness: 3/8", 1/2", 3/4", 1 and 1 1/2"
- Inside diameter, tubular form 3/8" to 4 1/2"
- Length of sections, tubular form: 6'

APPLICATIONS

Used to retard heat gain and prevent condensation on cold water plumbing and air conditioning lines. It also retards heat loss for hot water plumbing and HVAC systems for temperatures below 200 F.

Physical Properties		PE Insulation	Test Method
Thermal Conductivity BTU - in/h- ft ² - F/(W/m*K)	75F (24 C) mean temp	0.25 (0.036)	ASTM C 177 or 518
Operating Temperature Range	Upper	200 F (93C)	
	Lower	-200F (-129C)	
Water Vapor transmission, permi-in [g/(s*m*Pa)]		0.005 (7.25x10 ⁻¹²) (max)	ASTM E 96 (Dry Cup)
Water Absorption %		<0.20 by volume	C209
Flame and Smoke Ratings		25 / 50 (up to 1 1/2" wall thickness)	ASTM E 84
Nominal density lbs/cu. ft. (Kg/cu. m)		1 1/2 (24)	ASTM D 1622
Ozone Resistance		PASS	ASTM D 1171
UV Resistance		PASS	QUV Chamber Test
Mildew Resistance/ Air Erosion		PASS	UL 181



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Content matter is subject to change at any time. It is the user's responsibility to ensure the most updated revisions are obtained.

Product Submittal	
Job Name:	
Date:	
Part Number	Quantity
Architect:	
Contractor:	

Thickness Recommendations* - To Control Condensation

Pipe Size	Line Temp. 50 F	Line Temp. 30 F	Line Temp. 0 F
Normal conditions (Max 85 F—70% RH)			
3/8" ID through 2" IPS	3/8" Wall	1/2" Wall	1" Wall
Over 2" IPS through 4" IPS	1/2" Wall	1/2" Wall	1" Wall
Mild conditions (Max 80 F—50% RH)			
3/8" ID through 3" IPS	3/8" Wall	3/8" Wall	1" Wall
Over 3" IPS through 4" IPS	1/2" Wall	1/2" Wall	1/2" Wall
Severe conditions (Max 90 F—80% RH)			
3/8" ID through 4" IPS	3/4" Wall	1" Wall	-----

* Innofoam® in thickness noted within the specific temperature ranges will prevent condensation on indoor piping under the design conditions listed below:

Normal: Maximum severity of indoor seldom exceed 85 F and 70% RH in the United States

Mild: Typical conditions are most air-conditioned spaces and arid climates

Severe: Generally found in areas under which excessive moisture is introduced or in poorly ventilated areas where temperatures may be depressed below the ambient. Under conditions of high humidity, additional insulation may be required.

Nominal ID	R Value 3/8" Wall	R Value 1/2" Wall	R Value 3/4" Wall	R Value 1" Wall	R Value 1 1/2" Wall
3/8	2.73	3.85	6.35	9.11	15.22
1/2	2.62	3.66	5.95	8.49	14.12
5/8	2.57	3.54	5.70	8.07	13.35
3/4	2.67	3.60	5.66	7.93	12.95
7/8	2.28	3.15	5.07	7.20	11.94
1	2.36	3.21	5.07	7.13	11.70
1 1/8	2.17	2.98	4.76	6.72	11.10
1 1/4	2.33	3.13	4.88	6.80	11.07
1 3/8	2.11	2.88	4.56	6.41	10.52
1 5/8	2.22	2.97	4.59	6.36	10.29
2	1.84	2.53	4.03	5.66	
2 1/8	2.02	2.71	4.20	5.83	
2 3/8	2.03	2.71	4.16	5.74	
2 5/8	2.05	2.71	4.13	5.68	
2 7/8	2.07	2.72	4.12	5.62	
3 1/8	2.09	2.73	4.10	5.58	
3 1/2	2.10	2.73	4.08	5.52	
3 5/8	2.11	2.74	4.08	5.51	
4 1/8	2.17	2.78	4.09	5.48	
4 1/2	2.21	2.82	4.11	5.47	