

INNOFOAM TECHNICAL DATA SHEET

Thickness Recommendations* - To control Condensation

Pipe Size	Line Temp. 50	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	1/2" 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 conditions 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 temperature may be depressed below the ambient. Under conditions of high humidity, additional insulation may be required.

PRODUCT SPECIFICATIONS

Thermal Conductivity

BTU - IN/H - FT2 - F [W/(m-K)]	0.25 (0.036)	ASTM C 177 or C518
75 F (24 C) Mean Temp)		

Water Vapor Transmission

Perm-In [G/(S-M-PA)]	0.01 (1.45X10 ⁻¹¹)	ASTM E 96 (Dry Cup)
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*Flame and Smoke Ratings (Max)

25/50	ASTM E 84
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Up to and including 1" Thickness

(25MM)	
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Nominal Density, LBS/CU.M)	1-1/2 (2.4)	ASTM D 1622
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Ozone Resistance	Good	ASTM D 1171
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Upper Use Limit, F ©	200 (93)
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Lower Use Limit, F ©	-200 (-129)
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Sizes

Wall Thickness (Nominal) 3/8", 1/2", 3/4" and 1" - (10, 13, 19 and 25 MM)

Inside Diameter, Tubular Form 3/8" to 4-1/2" ID - (10 MM ID to 114MM ID)

Length Of Sections, Tubular Form 6' (1.83M)

Nominal ID	R Value		R Value		R Value
	3/8" Wall	1/2" Wall	3/4" Wall	1" Wall	
3/8	2.73	3.85	6.35	9.11	
1/2	2.62	3.66	5.95	8.49	
5/8	2.57	3.54	5.70	8.07	
3/4	2.67	3.60	5.66	7.93	
7/8	2.28	3.15	5.07	7.20	
1	2.36	3.21	5.07	7.13	
1-1/8	2.17	2.98	4.76	6.72	
1-1/4	2.33	2.13	4.88	6.80	
1-3/8	2.11	2.88	4.56	6.41	
1-5/8	2.22	2.97	4.59	6.36	
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	

*Numerical flammability ratings along may not define the performance of products under actual fire conditions. They are provided only for use in the selection of products to meet limits specified.