

Pipe Insulation

Product Specifications

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PRODUCT FEATURES

- Made of Black Polyolefin
- Wall Thickness (Nominal): 3/8", 1/2", 3/4", 1"
- Inside Diameter (Nominal): 5/8" to 4-1/2"
- Section Lengths: 6 feet
- Half-Slit, Self-Seal and Unslit
- Quick, Easy Installation
- Conserves Energy
- Durable
- Reduces Noise
- 25/50 Flame and Smoke Rating
- Meets or Exceeds ASTM C1427 & ASTM C534 Standards



Half-Slit



Self-Seal



Unslit

Wall 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)			
Maximum severity of indoor conditions seldom exceed 85°F and 70% RH in the United States.			
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)			
Typical conditions for most air-conditioned spaces and arid climates.			
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)			
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.			
3/8" ID Through 4" IPS	3/4" Wall	1" Wall	

Sizes	in	mm
Wall Thickness (Nominal)	3/8", 1/2", 3/4" and 1"	10, 13, 19 and 25mm
Inside Diameter, Tubular Form	3/8" to 4-1/2" ID	10 to 114mm ID
Length of Sections, Tubular Form	6'	1.83m

Warranty

See warranty information for more details.

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PROPERTY	VALUE	RATING
Thermal Conductivity BTU - IN/H - FT ² - F [W/(m-K)] 75°F (24°C) Mean Temp	0.25 (0.036)	ASTM C177 or C518
Water Vapor Transmission Perm-In [G/(S-M-PA)]	0.01 (1.45x10 ⁻¹¹)	ASTM E96 (Dry Cup)
Flame and Smoke Ratings* (Max) up to and including 1" thicknesses	25/50 (25mm)	ASTM E84
Nominal Density, LBS/CU.FT (KG/CU.M)	1-1/2" (2.4)	ASTM D1622
Ozone Resistance	Good	ASTM D1171
Upper Use Limit, °F (°C)	200°F (93°C)	
Lower Use Limit, °F (°C)	-200°F (-129°C)	

*Numerical flammability ratings alone 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.

THERMAL RESISTANCE				
Nominal ID	R Value 3/8" Wall	R Value 1/2" Wall	R Value 3/4" Wall	R Value 1" Wall
5/8"	2.57	3.54	5.7	8.07
3/4"	2.67	3.6	5.66	7.93
7/8"	2.28	3.15	5.07	7.2
1"	2.36	3.21	5.07	7.13
1-1/8"	2.17	2.98	4.76	6.72
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	4.2	5.83
2-3/8"	2.03	2.71	4.16	5.74
2-5/8"	2.05	2.71	4.13	5.68
3-1/8"	2.09	2.73	4.1	5.58
3-1/2"	2.1	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

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	Insulation ID Nominal	Pipe Sizes CTS Nominal	Pipe Sizes CTS OD	Pipe Sizes IPS Nominal	Packaging Data, Ft/Carton	✓ Self-Seal Part #	✓ Half-Slit Part #	✓ Unslit Part #
Nominal Wall Thickness - 3/8"	5/8"	1/2"	5/8"	3/8"	396	ML5838SS	ML5838HS	ML5838US
	7/8"	3/4"	7/8"	-	276	ML7838SS	ML7838HS	ML7838US
	1-1/8"	1"	1-1/8"	-	222	ML11838SS	ML11838HS	ML11838US
	1-3/8"	1-1/4"	1-3/8"	-	180	ML13838SS	ML13838HS	ML13838US
	1-5/8"	1-1/2"	1-5/8"	1-1/4"	138	ML15838SS	ML15838HS	ML15838US
	2-1/8"	2"	2-1/8"	-	102	ML21838SS	ML21838HS	ML21838US
	2-3/8"	-	2-3/8"	2"	84	ML23838SS	ML23838HS	ML23838US
	2-5/8"	2-1/2"	2-5/8"	-	72	ML25838SS	ML25838HS	ML25838US
	3-1/8"	3"	3-1/8"	-	54	ML31838SS	n/a	n/a
3-5/8"	3-1/2"	3-5/8"	-	48	ML35838SS	n/a	n/a	
Nominal Wall Thickness - 1/2"	5/8"	1/2"	5/8"	3/8"	300	ML5812SS	ML5812HS	ML5812US
	3/4"	5/8"	3/4"	1/2"	264	ML3412SS	n/a	n/a
	7/8"	3/4"	7/8"	-	240	ML7812SS	ML7812HS	ML7812US
	1"	-	1"	3/4"	210	ML112SS	n/a	n/a
	1-1/8"	1"	1-1/8"	-	186	ML11812SS	ML11812HS	ML11812US
	1-3/8"	1-1/4"	1-3/8"	-	150	ML13812SS	ML13812HS	ML13812US
	1-5/8"	1-1/2"	1-5/8"	1-1/4"	120	ML15812SS	ML15812HS	ML15812US
	2"	-	2"	1-1/2"	102	ML212SS	n/a	n/a
	2-1/8"	2"	2-1/8"	-	84	ML21812SS	ML21812HS	ML21812US
	2-3/8"	-	2-3/8"	2"	72	ML23812SS	ML23812HS	ML23812US
	2-5/8"	2-1/2"	2-5/8"	-	60	ML25812SS	ML25812HS	ML25812US
	3-1/8"	3"	3-1/8"	-	48	ML31812SS	n/a	n/a
	3-1/2"	-	3-1/2"	3"	42	ML31212SS	n/a	n/a
	3-5/8"	3-1/2"	3-5/8"	-	36	ML35812SS	n/a	n/a
4-1/8"	4"	4-1/2"	-	24	ML41812SS	n/a	n/a	
4-1/2"	-	4-1/8"	4"	24	ML41212SS	n/a	n/a	
Nominal Wall Thickness - 3/4"	5/8"	1/2"	5/8"	3/8"	180	ML5834SS	ML5834HS	ML5834US
	7/8"	3/4"	7/8"	-	150	ML7834SS	ML7834HS	ML7834US
	1-1/8"	1"	1-1/8"	-	120	ML11834SS	ML11834HS	ML11834US
	1-3/8"	1-1/4"	1-3/8"	-	96	ML13834SS	ML13834HS	ML13834US
	1-5/8"	1-1/2"	1-5/8"	1-1/4"	84	ML15834SS	ML15834HS	ML15834US
	2-1/8"	2"	2-1/8"	-	54	ML21834SS	ML21834HS	ML21834US
	2-3/8"	-	2-3/8"	2"	54	ML23834SS	n/a	n/a
	2-5/8"	2-1/2"	2-5/8"	-	48	ML25834SS	ML25834HS	ML25834US
	3-1/8"	3"	3-1/8"	-	36	ML31834SS	n/a	n/a
Nominal Wall Thickness - 1"	5/8"	1/2"	5/8"	3/8"	126	ML581SS	ML581HS	ML581US
	7/8"	3/4"	7/8"	-	102	ML781SS	ML781HS	ML781US
	1-1/8"	1"	1-1/8"	-	84	ML1181SS	ML1181HS	ML1181US
	1-3/8"	1-1/4"	1-3/8"	-	72	ML1381SS	ML1381HS	ML1381US
	1-5/8"	1-1/2"	1-5/8"	1-1/4"	54	ML1581SS	ML1581HS	ML1581US
	2-1/8"	2"	2-1/8"	-	48	ML2181SS	ML2181HS	ML2181US
	2-3/8"	-	2-3/8"	2"	42	ML2381SS	n/a	n/a
	2-5/8"	2-1/2"	2-5/8"	-	36	ML2581SS	ML2581HS	ML2581US
	3-1/8"	3"	3-1/8"	-	24	ML3181SS	n/a	n/a

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