

Product Description

Insulation Components Inc. Phenolic Insulated iShields prevent pipe insulation crushing and maintain insulation integrity at pipe hanger locations.

- Used on low and mid temperature plumbing and HVAC piping
- Commonly installed on lines such as: domestic hot and cold water, chilled water, heating hot water, condenser water and low pressure steam.
- Provide a full 360 degrees of high density insulation and ASJ (All Service Jacket) vapor barrier.
- ASJ with SSL for quick and positive installation on piping.
- Available in standard lengths from 6" to 36" long to meet MSS SP-58 point load requirements for a wide range of hanger types and spans.

Installation

Installation shall occur in conjunction with the pipe hanger assembly, thus ensuring proper pipe elevation.



	Unit of Measure	ASTM Method	ASTM C1126 - Type III			
			2.5	3.75	5	
Density	lb/ft ³	ASTM D1622 - Density	2.5	3.75	5	
Compressive Strength	lb/in ²	ASTM D1621 - Closed Cell	30	50	90	150
			25	40	70	110
Service Temperature	°F	—	-297° to +250°			
Thermal Conductivity - K Factor @ 75 °F	(Btu-in.)/(hr-ft ² ·°F)	ASTM D518	0.17	0.19	0.22	0.24
Closed Cell	Minimum %	ASTM C2856	95%	95%	95%	95%
Water Absorption	% by Volume	ASTM C209	0.6%	0.6%	0.6%	0.6%
Water Vapor	perm inch	ASTM E96	≤ 4	≤ 4	≤ 4	≤ 4
Dimensional Stability	% lin chg	ASTM D2126 ASTM D2127 ASTM D2128	≤ 2%	≤ 2%	≤ 2%	≤ 2%
Flame Spread	Flame Spread	ASTM E84 - Up to 4"	25/50	25/50	25/50	25/50

NOMINAL PIPE SIZE	INSULATION LENGTH	iSHIELD LENGTH	iSHIELD GAUGE
½" - 2½"	6"	4"	20,22
3" - 6"	6"	4"	16,18,20
8" - 10"	9"	6"	16,18,20

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