

POLYISOCYANURATE INSULATED iSHIELD

Product Description

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



*Available with 180 or 360 degree galvanized shield

- Used on low and mid temperature plumbing and HVAC piping.
- commonly installed on lines such as: domestic hot and cold water, chilled water, hot water heating, condenser water, and low pressure steam.
- Provide a full 360 degrees of high density (HD) insulation and ASJ plus (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.

			ASTM C591 - Type IV - Grade 2	ASTM C591 - Type III - Grade 2	ASTM C591 - Type V - Grade 2	ASTM C591 - Type VI - Grade 2
	Unit	ATM Method	2	3	4	6
Density	lb/ft ³	ASTM D1622	2	3	4	6
Compressive Strength	lb/in ²	ASTM D1621	27 18	65 40	85 62	142 121
Service Temperature	°F	—	-297° to 300°			
Thermal Conductivity - K Factor @75°F	(Btu-in.)/ (hr-ft ² ·°F)	ASTM C518	0.165	0.165	0.170	0.180
Closed Cell	Minimum %	ASTM D6226	95%	95%	95%	95%
Water Absorption	% by Volume	ASTM C272	1.27%	0.6%	0.5%	0.5%
Water Vapor	perm inch	ASTM E96	4.0	3.0	2.0	2.0
Dimensional Stability	% lin chg	ASTM C2126	± 2%	± 2%	± 2%	± 2%
Flame Spread	Flame Spread	ASTM E84	25/250	25/250	25/450	25/450

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

Data shown are typical values obtained from representative production samples by the material manufacturer and may be used as a guide for design purposes but should not be construed as specifications. This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Insulation Components Inc. Insulation Components Inc. assumes no legal responsibility for use or reliance upon this data. For additional information, please contact Insulation Components Inc.