

CELLULAR GLASS INSULATED iSHIELD

Product Description

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

- Used on low to high temperature plumbing and HVAC piping.
- Commonly installed on lines such as: domestic hot and cold water, chilled water, heating hot water, condenser water, and 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.



*Available with 180 or 360 degree galvanized shield

Installation

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

	Unit	ASTM Method	ASTM C552-08
Density	lb/ft ³	ASTM C303	7.18
Compressive Strength	lb/in ²	ASTM C165	AVG = 90 LSL = 60
Service Temperature	°F	–	-450° to 900°
Thermal Conductivity - K Factor @ 75 °F	(Btu·in.)/ (hr·ft ² ·°F)	ASTM C518	0.310
Closed Cell	Minimum %	–	–
Water Absorption	% by Volume	ASTM C240	0.2%
Water Vapor	perm inch	ASTM E96	0
Dimensional Stability	% lin chg	N/A	0%
Flame Spread	Flame Spread	ASTM E136/E84	0/0

NOMINAL PIPE SIZE	INSULATION LENGTH	iSHIELD LENGTH	iSHIELD GAUGE
½" - 1½"	12"	9"	22, 20, 18
2" - 10"	24"	18"	12, 14, 16, 18

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