

CSI Insulation For Flexible

Metal Hose (High-Temp., Closed Cell Silicone Sponge)



Recommended Services

Silicone sponge is recommended for insulating flexible metal hoses conveying steam or other hot fluids to a maximum continuous service temperature of

425°F. In addition to insulating the hose, the material also provides a degree of personnel protection against burns.

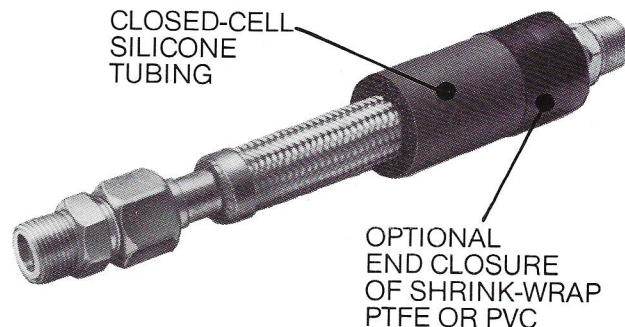
Standard Sizes

The insulation was specifically developed for use with CSI flexible metal jumper hoses of sizes 1-inch

nominal diameter and smaller (see CSI Bulletins J-10 and J10R1).

Construction

The material is a tubing having a nominal wall thickness of 1/2 inch. It is applied at the factory to the metal hose during fabrication of the hose. End fittings on the hoses are not covered. The accompanying photo shows the cross-sectional construction of the insulating material. An optional construction feature is an outer cover for the ends or the entire length with shrink-wrap PTFE or PVC.



Cross section of silicone sponge insulating material with optional end closure of PTFE.

Insulation Specifications

Compression Deflection PSI	Compression Set 22 hrs. @ 212°F. % Max.	Heat Aging 22 hrs. @ 302°F. (Comp.Defl.Chg.).
5 - 9	60	±5
Low Temp. Resistance	High Temp. Resistance	Elongation (% Min.) (1/8" Test specimens)
-103°F		400
Tensile Strength (PSI Min.) (1/8" test specimens)	Density Lbs./Cu. In. Max.	Approx. K-Value BTU-IN/Hr-Ft ² -°F
100	.018	.40 - .45

In addition to silicone sponge insulation, Controls Southeast also offers other types of insulation for flexible metal hose, one of which is described in CSI Bulletin H-14.

For additional information and quotations, write or call:

Controls Southeast, Inc.



Controls Southeast, Inc.
P.O. Box 7500
Charlotte, NC 28241
Phone: (704) 588-3030
Fax: (704) 588-3039
e-mail: sales@csiheat.com
http://www.csiheat.com