

Product Highlights

- Operating temperature up to +232°C (+450°F)
- Ease of installation due to wrappable construction
- Easily accommodates breakouts
- Component accessibility for inspection and/or rework
- Outstanding protection against radiant heat
- Fray resistant
- Extremely Flexible
- Fluid & chemical resistant
- Conforms to complex component designs

Typical Applications

- Hoses
- Fuel and brake lines
- Control cables
- Wire harnesses



Our manufacturing sites are
certified ISO 9001, IATF 16949,
or AS/EN 9100, ISO 14001
and ISO 45001 (Selected Sites)



Therm-L-Gard™ S is a flexible, aluminumized, wrappable sleeve designed to protect components in high temperature areas. The outer aluminum finish is highly reflective while the inner layer of fiberglass greatly increases insulating efficiency.

Therm-L-Gard S is constructed of a high-bulk, woven fiberglass fabric with aluminum foil laminated to its outer surface. The product is manufactured with reversible snaps, which allow the product to be installed after components are assembled. To minimize fraying of the fiberglass yarns, the fabric is treated with a high-temperature resin.

A low-bulk, woven fiberglass version is also available (Therm-L-Gard™ SL).

Performance Data – Therm-L-Gard™ S

Property	Test Method	Result
Operating Temperature		-40°C to +232°C (-40°F to +450°F)
Emissivity		
Temperature Range	ASTM E408, Method B	0.14 emissivity
+57°C to +68°C (+135°F to +155°F)		
Flammability	ASTM D4723, ID 36	Pass

All numeric performance data shows average or typical values. Please consult your sales representative for product drawings, test reports and OEM approvals.

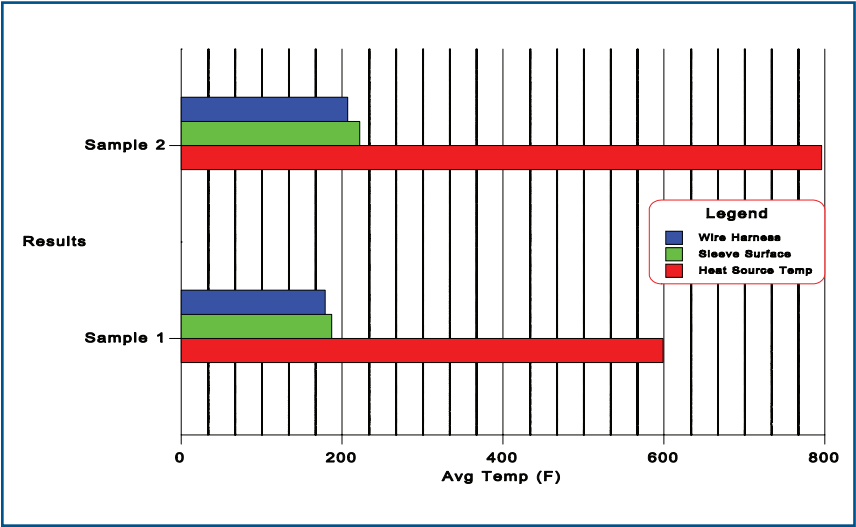
Construction and Typical Product Characteristics

ASTM D3776	Weight	717-877 g/m
ASTM D1777	Thickness	0.68 - 0.84 mm
Kane-M nickel snaps	Force to close Force to open	160.0 N max. 40 N min.

Availability

Therm-L-Gard S is available in custom designs to meet specific application requirements. Snaps per sleeve are determined by application. Additional fiberglass constructions are also available. Finish is aluminum.

Thermal Performance from a Radiant Heat



United States: (1) 800 926 2472 • México: (52) 442 101 8100 • Brazil: (55) 19 3116 1600
EMEA: (33) 3 44 39 06 06 • Japan: (81) 45 330 0300 • China: (86) 21 6182 7560
Southeast Asia: (66) 35 276 400 • Korea: (82) 44 861 6368 • India: (91) 124 4784565
www.systemsprotection.com



For informational purposes only. SP makes no warranties as to the accuracy or completeness of the information provided herein and disclaims any liability in connection with its use. SP's only obligations are those provided in its terms and conditions of sale for this product, and SP will not be liable for any damages, whether direct or indirect, arising out of the use or misuse of this product. Users should undertake their own evaluations to determine the suitability of the product for specific applications. ©2024 Systems Protection - A Tenneco Company, manufacturer of Bentley-Harris protection products.