

Technical Data Sheet

Pyreflect[™] Sleeve

Product Name: Pyreflect[™] Sleeve

Technical Description: A fabricated sleeve constructed from a highly reflective engineered blanket. This blanket has a mylar surface applied onto one side of an aramid substrate. The aramid substrate is a blend of both Kevlar[®] and Nomex[®]. The sheet is cut to size, and sewn into a sleeve using high-temperature thread.

Temperature Capabilities: Rated for 650°F (343°C) continuous, 1000°F (537°C) intermittent radiant heat.



Product Overview: Pyreflect[™] is designed to reflect radiant heat and exhibit the properties of flexibility, abrasion resistance, toughness, and tensile strength.

The Kevlar[®]/Nomex[®] inner core offers excellent long-term heat resistance. The mylar aluminization on the outer surface reflects the majority of the radiant heat, minimizing the heat energy transfer through the sleeve.

Pyreflect[™] sleeve is double stitched with a PTFE-coated silica fiberglass-based high-temperature thread to ensure a durable construction.

Dimensional Data: Available in a wide range of diameters from 3/4" (19mm) up to 12" (305mm). Also available with Velcro closure option from 1" (25mm) up to 12" (305mm) diameters. Can be supplied in custom lengths to meet application requirements.

Nominal Thickness: 0.050" (1.27mm)

Disclaimer: Due to the range of possible applications, no warranty is expressed or implied. ADL Insulflex, Inc.'s liability is limited solely to the replacement of defective material. ADL Insulflex, Inc. will not be held liable for any consequential damages arising from the use or misuse of the material. While the information given herein is believed to be reliable, ADL Insulflex, Inc. makes no warranties as to the accuracy or completeness. Samples of all Insulflex[®] products are available at no cost or obligation, and suitable trials should be made prior to installation.

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Solving High-Temperature Problems Worldwide

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After-Flame: 2.0 seconds

Flammability Char Length: 0.5 inches

Glow Time: 35 seconds

Low Temp. Resistance: No breaking, shattering, or cracking of the coating after conditioning for 4 hours at -20°F.

Installation: Can be installed over almost any hose or cable.

Cautionary Notes: Not recommended for extreme molten splash applications. Thread may unravel if the sleeve is cut.

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