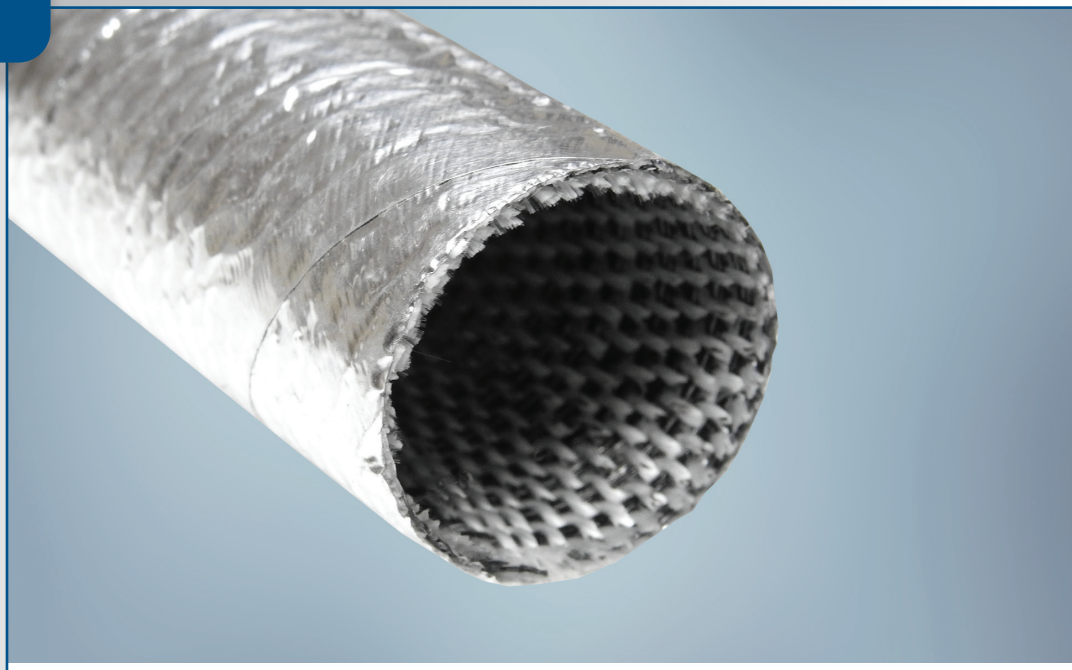
SYSTEMS™ PROTECTION

ReflectSleeve® 1452

THERMAL



Product Highlights

- Operating temperature up to +200°C (+392°F)
- Excellent protection against radiant heat
- Tubular construction with no sew line
- Open & flexible design for easy installation
- Designed for reduced end fray
- Lightweight & Low Profile
- Fluid and Chemical Resistant

Typical Applications

- Engine compartment applications
- Brake & fuel lines
- Tube, hose & cable assemblies
- Wire harnesses

ReflectSleeve® 1452 is a tubular, reflective sleeve designed to provide thermal protection for both radiant and convective heat applications. Composed of a woven fiberglass based substrate spirally wrapped with an aluminum foil, the product can withstand convective heat soaks up to +200°C (+392°F) and simultaneously protect components from radiant or reflective heat. In addition to providing a maximum level of protection for hoses, wire harnesses and other critical components requiring radiant heat protection ReflectSleeve 1452 also provides a superior level of fluid resistance.

ReflectSleeve 1452's unique construction imparts a level of flexibility not found in other reflective products, allowing the product to maintain a circular profile when flexed and provide a quick and easy installation.

RoHS COMPLIANT

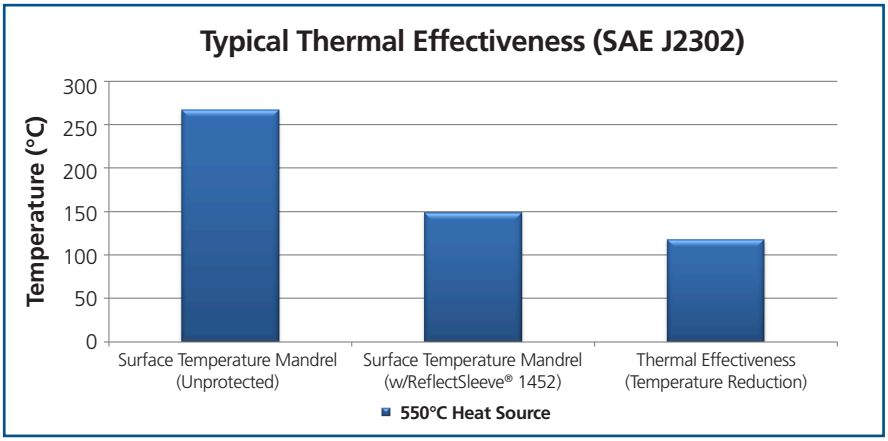
Our manufacturing sites are certified ISO 9001, IATF 16949, or AS/EN 9100, ISO 14001 and ISO 45001 (Selected Sites)

Performance Data – ReflectSleeve® 1452

Property	Test Method	Result
Temperature Rating	240 hours at +225°C (+200°C rating)	Pass +200°C (+392°F)
Thermal Endurance	No degradation or delamination (25mm above a 538°C heat source for 6 hours)	Pass
Low Temperature Flexibility	SAEJ2192	Pass -40°C (-40°F)
Flammability	SAE J369	Self extinguishing
Fluid Resistance	SAEJ2192	Pass

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

Thermal Effectiveness of Sleeving Insulation



Note: Mandrel is parallel to and 25mm (1") away from heat source

Availability

Standard sizes are listed here, Additional sizes could be available upon request.

Available in custom cut lengths. Recommended cut lengths are in 5mm increments.

Please see regional drawings for cut length tolerances. Please consult your local sales representative for regional packaging details and standards.

Construction and Typical Product Characteristics

Outer Layer	Reflective Laminate	
Inner Layer	Warp Yarn:	Fiberglass multifilament
	Fill Yarn:	Polyester (PET) monofilament

Standard Sizes

Commercial Part Number	Nominal Diameter (mm)
ReflectSleeve 1452 10	10
ReflectSleeve 1452 13	13
ReflectSleeve 1452 16	16
ReflectSleeve 1452 19	19
ReflectSleeve 1452 25	25
ReflectSleeve 1452 29	29
ReflectSleeve 1452 32	32
ReflectSleeve 1452 38	38

* Application based variables will influence the sleeve size required. Routing geometry and application type may present installation and fit challenges that should be considered. Proper sleeve sizing should be confirmed by the end user. Please consult your local sales representative for recommendations and support.

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