



Product Highlights

- Operating temperature up to +150°C (+302°F)
- Excellent protection against radiant heat
- Tubular construction with no sew line
- Low end fray construction
- Lightweight, flexible & low profile
- Superior fluid and chemical resistance

Typical Applications

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

ReflectSleeve® 1501 is reinforced, aluminized polyester sleeve designed to protect components in high temperature environments. The external surface is composed of a highly reflective aluminum foil, which provides radiant heat protection for internal components. The internal layer is composed of a polyester non-woven material, which provides added insulation efficiency. A layer of fiberglass scrim contributes to both product flexibility and durability.

ReflectSleeve 1501 was designed with a combination of materials used to produce an engineered solution for wire harnesses and other components in close proximity to engine and exhaust systems. ReflectSleeve 1501 provides a cost-effective, non-skin-irritating alternative to current radiant heat products.



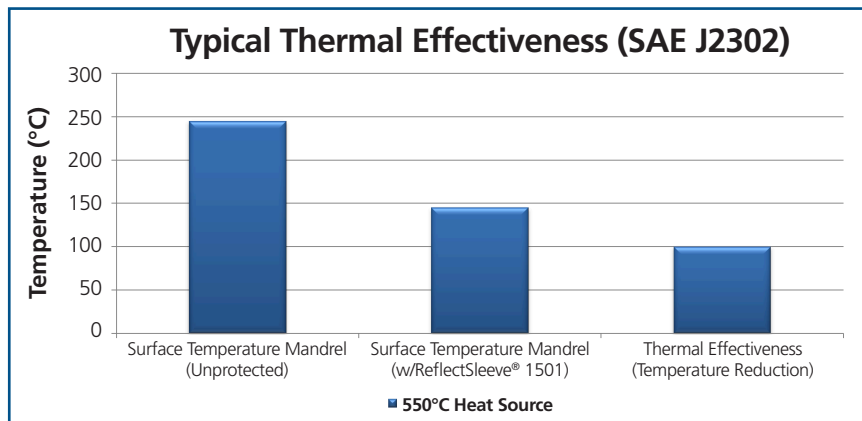
Our manufacturing sites are certified ISO 9001, IATF 16949, or AS/EN 9100, ISO 14001 and ISO 45001 (Selected Sites)

Performance Data – ReflectSleeve® 1501

Property	Test Method	Result
Operating Temperature	240 hours at +175°C (+150°C rating)	-40°C to +150°C (-40°F to +302°F)
Thermal Endurance	ISO 6722	No visible degradation or delamination
Flammability	FMVSS 302 D45 1333	Pass Self extinguishing Type B
Fluid Resistance	D47 1924	No visible degradation or alteration after being exposed to the following test cycles: <ul style="list-style-type: none"> • Immersion for 15s at 23°C, followed by a drying period of: <ul style="list-style-type: none"> – 24h at 150°C: motor oil, automatic transmission fluid, manual transmission oil. – 24h at 23°C: zinc chloride, brake fluid. • Immersion for 48h at 70°C, followed by a drying period of: <ul style="list-style-type: none"> – 24h at 23°C: Urea of clean up Ad blue. • Immersion for 24h: <ul style="list-style-type: none"> – At 40°C, followed by a drying period of 4h at 23°C: for gazole, unloaded petrol 98, Std fuel C + 15% methanol, E85 bio ethanol. – At 70°C, followed by a drying period of 4h at 23°C, for windscreen washer. – At 118°C, by a drying period of 4h at 23°C, for engine coolant.

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

Construction / Characteristics

Outer Layer	Reflective Laminate
Inner Layer	Polyester (PET) non-woven

Availability

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

Available in spools and 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.

Standard Sizes

Commercial Part Number	Nominal Diameter (mm)
ReflectSleeve 1501 10	10
ReflectSleeve 1501 13	13
ReflectSleeve 1501 16	16
ReflectSleeve 1501 19	19
ReflectSleeve 1501 22	22
ReflectSleeve 1501 25	25
ReflectSleeve 1501 32	32
ReflectSleeve 1501 35	35
ReflectSleeve 1501 38	38
ReflectSleeve 1501 45	45
ReflectSleeve 1501 51	51
ReflectSleeve 1501 70	70

* 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.

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

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