

Product Highlights

- Operating temperature up to +200°C (+392°F)
- Excellent protection against radiant heat
- Flexible
- Low Profile
- Fluid and chemical resistant
- Easy installation
- Tubular sleeve with no sew line

Typical Applications

- Tubings and hoses
- A/C lines
- Hydraulic and fuel lines
- Control cables
- Engine Wire Harnesses
- Hybrid vehicles

ReflectSleeve® 1451 is a one-piece fiberglass sleeve that is laminated to an aluminum foil. A special manufacturing process permits the sleeve to boast a virtually seamless and non fraying construction. This feature makes ReflectSleeve 1451 a low profile solution easily applied to the application it protects. The outer aluminum finish is highly reflective while the inner layer of the fiberglass greatly increases insulating efficiency.

ReflectSleeve 1451 provides a maximum protection for tubings and hoses, engine wire harnesses and other critical components requiring radiant heat protection. It also provides superior fluid resistance.



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

Performance Data – ReflectSleeve® 1451

Property	Test Method	Result
Operating Temperature		-40°C to +200°C (-40°F to +392°F)
Heat Aging 3000hrs at +200°C 240hrs at +250°C	ISO 6722	No visible degradation or delamination Maintains its properties
Flammability	FMVSS 302 D45 1333	Pass Self extinguishing - Type B
Thermal Effectiveness	SAE J2302	See graph below
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 24h at 23°C: <ul style="list-style-type: none"> – 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.

Standard Sizes

Commercial Part Number	Nominal Internal Diameter (mm)	Packaging (m)
ReflectSleeve 1451 10	10	150
ReflectSleeve 1451 13	13	150
ReflectSleeve 1451 16	16	100
ReflectSleeve 1451 19	19	100
ReflectSleeve 1451 22	22	100
ReflectSleeve 1451 25	25	100
ReflectSleeve 1451 32	32	100
ReflectSleeve 1451 38	38	50
ReflectSleeve 1451 45	45	50
ReflectSleeve 1451 51	51	50

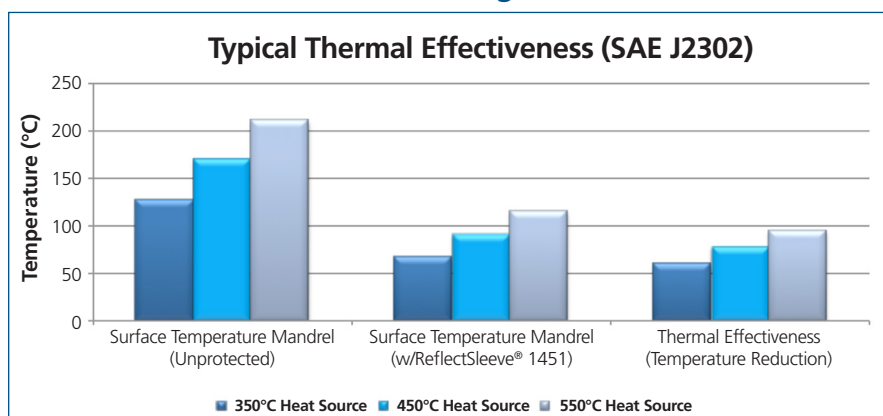
Availability

ReflectSleeve 1451 is available in a range of sizes from 10 mm to 51mm. ReflectSleeve 1451 is available in spools or cut to the following specifications:

- Recommended standard cut lengths are in 5 mm increments.

Packaging is in accordance with GALIA Standard (ODETTE). Finish is aluminum.

Thermal Effectiveness of Sleeving Insulation



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



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