



THERMAL MANAGEMENT

# ReflectSleeve® 1451

## 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

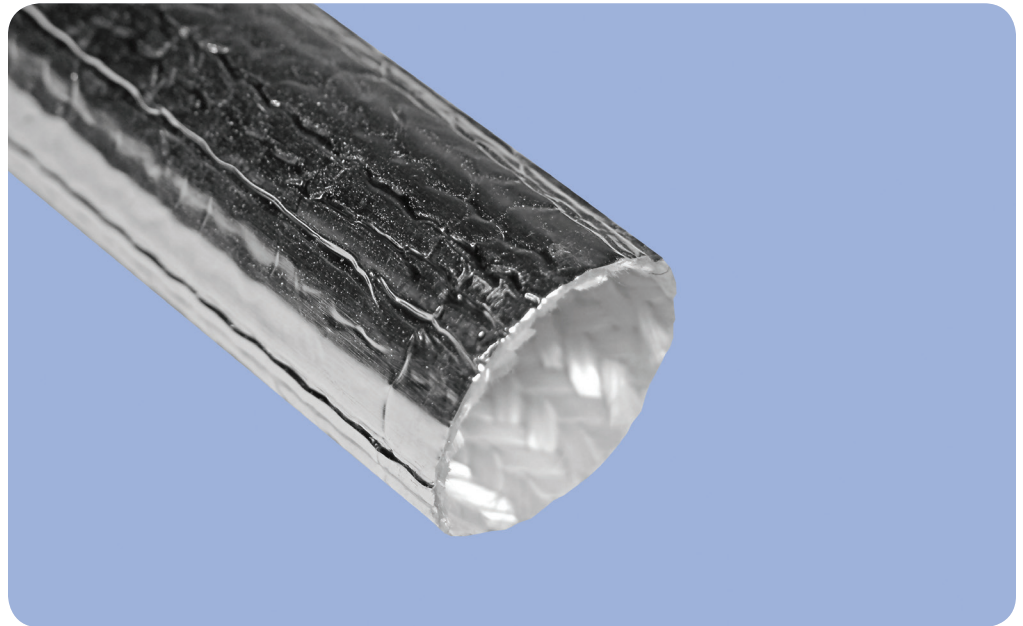
## Typical Applications

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



Our manufacturing sites are certified ISO 9001, ISO/TS 16949, or AS/EN 9100, and ISO 14001

RS1451\_07202017



**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.

**BentleyHarris®**  
Protection Products

# Performance Data – ReflectSleeve® 1451

Property	Test Method	Result
Temperature Rating	240 hours at +225°C (+200°C rating)	Pass +200°C (+392°F)
Thermal Endurance	BH100-503	No degradation or delamination (25mm above a +538°C heat source for 6 hours)
Low Temperature Flexibility	BH100-016A	Pass -40°C (-40°F)
Flammability	SAE J369	Self-extinguishing
Fluid Resistance	BH100-003B	Pass

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

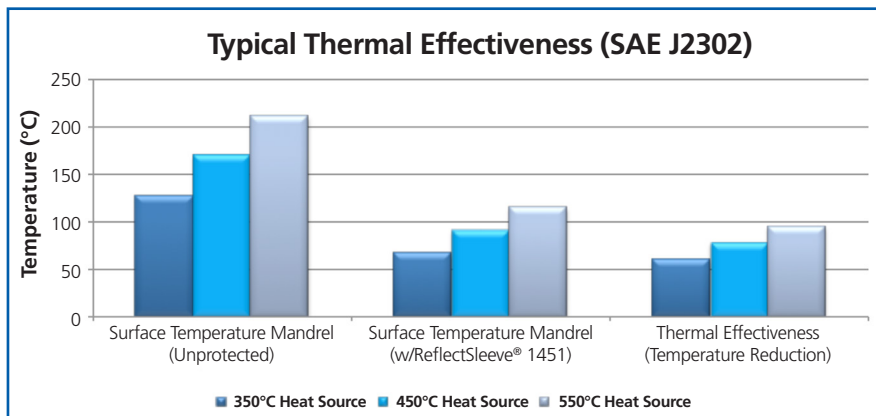
## Construction and Typical Product Characteristics

Outer Layer	Aluminum
Inner Layer	Fiberglass multifilament

## Availability

ReflectSleeve 1451 is available in a range of sizes and cut to your specification. Color is aluminum (silver). Please contact your sales representative for availability.

## Thermal Effectiveness of Sleeving Insulation



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

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