

## Product Highlights

- Excellent protection against radiant heat
- Superior abrasion resistance
- Low profile, lightweight, and flexible
- Easy to install self-wrapping design
- Integrated closure system

## Typical Applications

- “Touch conditions” near radiant heat sources
- Wire Harnesses
- Tube, Hose and Cable Assemblies

**ReflectWrap® 1493** is a wrappable sleeve comprised of a thermally reflective outer aluminum foil laminated to a durable woven polyester substrate. Combined, this dual function product can be used to protect harnesses and assemblies where routing conditions present both hot spots and touch conditions.

The self-wrapping design allows for easy installation and the integrated self-sealing closure flap provides permanent closure of the sleeve. The adhesive seal acts as a resistant barrier to dirt and fluids while maintaining the integrity of the finished aluminized protective assembly. These features optimize the overall efficiency of the sleeve and assure longer service life for the protected component.



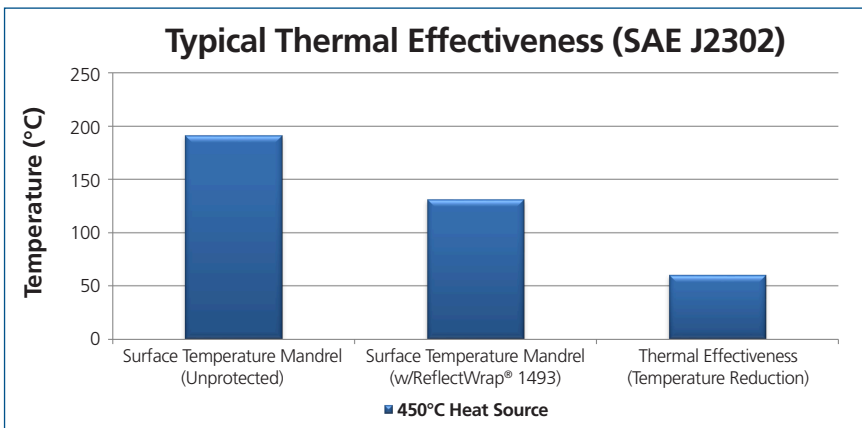
Our manufacturing sites are certified ISO 9001, IATF 16949, or AS/EN 9100, ISO 14001 and ISO 45001 (Selected Sites)

# Performance Data – ReflectWrap® 1493

| Property                    | Test Method                                       | Result                                 |
|-----------------------------|---|--|
| Operating Temperature       | 240 hours at +200°C (+392°F)                      | No degradation or delamination         |
| Thermal Endurance           | 25mm above 538°C (1000°F) heat source for 6 hours | Pass<br>No degradation or delamination |
| Thermal Effectiveness       | SAE J2302   | See graph below                        |
| Low Temperature Flexibility | SAE J2192   | Pass -40°C (-40°F)                     |
| Flammability                | SAE J369  | Self-extinguishing                     |
| Fluid Resistance            | SAE J2192   | 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

## Construction / Characteristics

|             |                               |
|-------------|-------------------------------|
| Warp Yarn   | Polyester (PET) Multifilament |
| Fill Yarn   | Polyester (PET) Monofilament  |
| Outer Layer | Aluminum                      |

## 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.

## Standard Sizes

| Nominal Diameter | Recommended Application Range* (mm) |       |
|------------------|-------------------------------------|-------|
|                  | Min Ø                               | Max Ø |
| 5                | At end user's discretion            | 8     |
| 8                | 6                                   | 10    |
| 10               | 8                                   | 13    |
| 13               | 10                                  | 16    |
| 16               | 13                                  | 19    |
| 19               | 16                                  | 23    |
| 25               | 19                                  | 30    |
| 29               | 25                                  | 35    |
| 32               | 29                                  | 39    |

\* Max diameter is defined as having a 100° - 110° overwrap depending on nominal diameter. A variety of application-based variables will dictate the appropriate sleeve size for use on each harness. Proper sizing is at the discretion of the end user.

A reduced overlap could be acceptable in certain applications allowing for a larger max diameter harness. Please consult your local sales representative for recommendations and guidance.

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