

Product Highlights

- Temperature rating of +150°C (+302°F)
- 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.



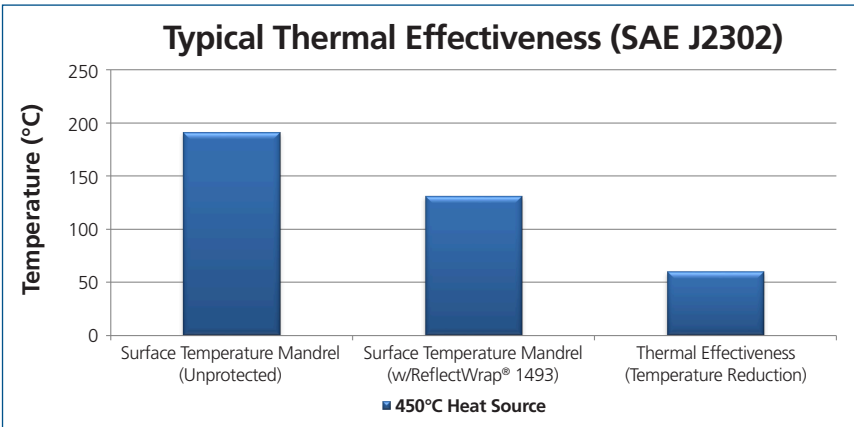
Our manufacturing sites are certified ISO 9001, IATF 16949, or AS/EN 9100, ISO 14001 and ISO 45001 (Selected Sites)

Performance Data – ReflectWrap® 1493

Property	Test Method	Result
Temperature Rating	240 hours at +175°C (+150°C rating)	Rated to +150°C (+302°F)
Thermal Endurance	25mm above 538°C (1000°F) heat source for 6 hours	Pass 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
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° overlap 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.



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
www.systemsprotection.com



For informational purposes only. SP makes no warranties as to the accuracy or completeness of the information provided herein and disclaims any liability in connection with its use. SP's only obligations are those provided in its terms and conditions of sale for this product, and SP will not be liable for any damages, whether direct or indirect, arising out of the use or misuse of this product. Users should undertake their own evaluations to determine the suitability of the product for specific applications. ©2024 Systems Protection - A Tenneco Company, manufacturer of Bentley-Harris protection products.

RW1493-NA(EN-LTR)C