

Product Highlights

- Working temperature: from -40°C to +750°C (-40°F to +1382°F)
- Excellent Thermal Containment
- Flexible
- Highly customizable design
- No tooling required

Typical Applications

- Truck SCR/EGP/DPF
- Exhaust Pipe/EGR
- Engine manifold
- Other Industry Applications



ThermShield™ 1231 is a multi layer thickwall wrappable sleeving developed for insulation of high temperature exhaust systems. Mainly used in engine compartment for high temperature control such as EGR, manifold and turbo, also in exhaust system to improve gas emission such as SCR, PDF and EGP.

Composed of 3 different layers, ThermShield 1231 is designed with silicone coating fabric on the outside, a fiberglass non-woven as intermediate layer and a high silica fabric on the inside gathered through cutting, folding and sewing manufacturing process. Thickness for the 3 layer structure goes from 5mm to 12mm depending on the thermal application requirements.

Thermshield 1231 can withstand temperatures up to 750°C. This high degree of insulation provided by ThermShield 1231 enables exhaust gas to maintain temperature as it moves through the exhaust system. Main-tenance of exhaust gas temperature is important in order to ensure complete conversion of exhaust gas and particulates. Moreover it protects from heat surrounding engine parts as sensors, wire harnesses, plastic parts or electrical units.



With a highly customizable design, ThermShield 1231 can be tailored to increase durability, accommodate contour, brackets and have integrated fixation such as clips or snaps.



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

Performance Data – ThermShield™ 1231

Property	Test Method	Result
Working temperature		Up to + 750°C (+1382°F)
Flammability	SAE-J369	Self-extinguishing
Thermal Containment	BH100-509 Modified	Pending
Thermal Insulation	BH100-509 Modified	Pending
Heating Aging: 240hrs at 675°C	ISO 6722	Pending
Fluid Resistance	BH 100-003	No degradation
Stone Impingement	SAE J400	Pending

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

Availability

ThermShield 1231 is a highly customizable product and is available in various designs to meet specific application requirements.

Please contact your sales representative for availability.



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

BentleyHarris®
Protection Products

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.

TS1231-GL(EN-A4)A