

## Product Highlights

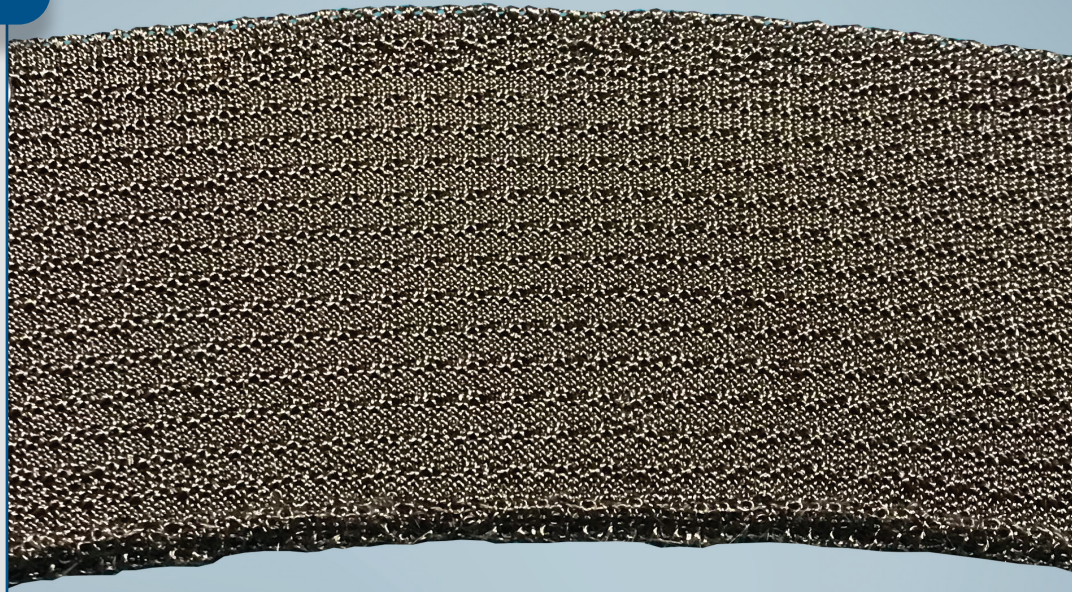
- Operating temperature up to +650°C (+1202°F)
- Peak temperature +750°C (+1382°F)
- Excellent thermal insulation
- Extremely flexible
- Conforms to component
- Low profile
- Highly customizable design

## Typical Applications

- Exhaust Gas Recirculation (EGR) Tubes
- Exhaust System Components



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



**ThermShield™ 1229** is a knitted fabric developed for insulation of high temperature exhaust systems. Designed with basalt yarns, ThermShield 1229 can withstand temperatures up to +750°C (+1382°F).

The high degree of insulation provided by ThermShield 1229 enables exhaust gas to maintain temperature as it moves through the exhaust system. Maintenance of exhaust gas temperature is important in order to ensure complete conversion of exhaust gas and particulates. Complete conversion is necessary to meet the increasingly strict emission regulations set in place by government mandate.

With a highly customizable design, ThermShield 1229 can be tailored to increase durability and expandability, contour around bends, accommodate brackets/ breakouts/sensors/etc., and have distinct areas of variable performance.



*ThermShield 1229's customized designs are available with snaps for increased installation benefit.*

# Performance Data – ThermShield™ 1229

Property	Test Method	Result
PHYSICAL		
Thermal Endurance	BH100-521	Pass - No degradation
Cold/Wet Endurance	BH100-522	Pass - No degradation
Thermal Containment	BH100-509	Product performance is design dependent. Please contact your sales representative for application specific performance.
Flammability	SAE J369 D45 1333	Does not ignite Type A - No ignition
Flammability with Oil Contamination	BH100-524 (ref. SAE J369)	Self-extinguishing
Vibration Resistance	BH 100-507	Retains structural integrity
CHEMICAL		
Fluid Resistance	BH100-003F 50/50 Antifreeze/Distilled Water 5% NaCl Transmission Fluid Diesel Fluid LSRD-4 ASTM Reference Fuel C SAE 5W30 Brake Fluid SAE RM-66 Power Steering Fluid Windshield Washer Fluid	No degradation or loss of flexibility
Salt Spray	ASTM G85	Pass
RESISTANCE TO WASHING		
Power Washing Endurance	BH 100-539	No degradation

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

## Availability

ThermShield 1229 is a highly customizable product and is available in various designs to meet specific application requirements. Please contact your sales representative for availability.



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