

ThermoJacket E (thermal protection up to +650°C)

ThermoJacket E is a knitted sleeve developed for insulation of high temperature exhaust systems. Designed with basalt yarns, ThermoJacket E can withstand temperatures up to +750°C (+1382°F).

The high degree of insulation provided by ThermoJacket E 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.



Product facts

- Operating temperature: up to +650°C (+1202°F)
- Peak temperature: +750°C (+1382°F)
- Excellent thermal insulation
- Extremely flexible

Property	Test Method	Result
PHYSICAL		
Thermal Endurance	BH 100-521	Pass - No degradation
Cold/Wet Endurance	BH 100-522	Pass - No degradation
Thermal Containment	BH 100-509	See table below
Flammability	SAE J369 D45 133	No ignition Type A - No ignition
Flammability with Oil Contamination	BH 100-524 (ref. SAE J369)	Self-extinguishing
Vibration	ASTM D4728	Pass - No degradation
CHEMICAL		
Fluid Resistance 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	BH100-003F	No degradation or loss of flexibility
Salt Spray	ASTM G85	Pass
RESISTANCE TO WASHING		
Power Washing Test	Internal test method	No degradation

Thermal Containment Test per BH100-509 on ThermoJacket E 3.5" (89mm)

Exhaust Pipe Parameters		Results	
Inlet Gas	828°C	Thermal Containment	251°C
Inlet Pipe Surface	534°C	Temperature at 20mm from sleeve (ambient)	121°C
Pipe	552°C	Temperature at 30mm from sleeve (ambient)	100°C
Sleeve	301°C	Temperature at 100mm from sleeve (ambient)	81°C

All numeric performance data shows average or typical values.

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Dimensions in mm

Part Number	Diameter	
	Min.	Max
ThermoJacket E 51-1	32.00	76.00
ThermoJacket E 89-1	64.00	89.00
ThermoJacket E 127-1	76.00	114.00
ThermoJacket E 140-1	89.00	152.00

Colour

Colour	Brown
Ordering code	-1