

Basalt Fiber Knitted Conformable Engine Exhaust Pipe Insulation Sleeve 1382°F / 750°C: ExhaustSock™

High Temperature & Heat Resistant Sleeve



- Helps maintain exhaust gas temperatures in order to meet regulatory requirements.
- Knitted design allows for high conformability.
- Can be fabricated with apertures to accommodate brackets and mounting pads.
- Available in pre-cut or continuous lengths.
- Expandable and durable – provides ease of installation.
- Conforms to bends, elbows, flex sections and flanges.
- Suitable for Fixed Generators, Marine Engines and Generators, Automotive, Truck, Bus, Construction and Mining equipment.
- Thermal conductivity: 0.031-0.038 W/mK

Parameter

Flammability
Flammability
Flammability with Oil Contamination
Fluid Resistance list below)

Test Method

SAE J369 /
D45133 Type A
BH 100-524 (ref. SAE J369)
BH100-003F

Result

No ignition
No ignition
Self-extinguishing
No degradation or loss of flexibility

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; Salt Spray ASTM G85

Thermal Containment Test per BH100-509 on ExhaustSock™ Sleeve

3.5" (89mm) Exhaust Pipe Parameters

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

Very High-Temperature Knitted Rock Fiber Sleeve For Exhaust Pipe Protection

Part Number	ID Size			Feet per Box
	in	mm	-dash	
S-BRF-KNIT-1.00-M025-16	1.00	25	-16	500
S-BRF-KNIT-1.50-M038-24	1.50	38	-24	300
S-BRF-KNIT-2.00-M051-32	2.00	51	-32	250
S-BRF-KNIT-2.50-M064-40	2.50	64	-40	225
S-BRF-KNIT-3.00-M076-48	3.00	76	-48	200
S-BRF-KNIT-3.50-M089-56	3.50	89	-56	175
S-BRF-KNIT-4.00-M102-64	4.00	102	-64	164
S-BRF-KNIT-5.00-M127-80	5.00	127	-80	125