

# TECH SHIELD

**PRODUCT:**

**TECH SHIELD™ SLEEVE**

**REV071023NT**

**PRODUCT DESCRIPTION:** High temperature, self-supporting braided exhaust insulation sleeve.

Physical Property	Description - Value	Notes
Material	Proprietary blend of high temperature fiber	
Color	Brown/black	
Diameters available	4 and 6 in (102 and 152 mm) +/- 20%	Diameters from 1"-10" on request
Linear weight	3.96 to 6.48 lb/in (0.69 to 1.13 N/mm)	Fibers all at 45 degrees
Service Temperature	-200 – 1400 °F (-129 to 760 °C)	1800 °F intermittent (will smoke on first start up, use well ventilated area)
Thermal Conductivity	0.35 BTU-in/(Hr-ft <sup>2</sup> -°F) typical +/- 0.05	R-1.05/wrap layer
Loss on Ignition (LoI)	1.9%	Does not sustain flame
Temperature loss	430 °F (221 °C) Temperature drop	600 °F (600 °C) Exhaust Pipe
Pipe diameter to length @ 12" of 4" sleeve	2" pipe – 14" length +/- 15% 5" pipe – 8" length +/- 15%	Assuming standard forces in tension or compression
Pipe diameter to length @ 12" of 6" sleeve	3.5" pipe – 14" length +/- 15% 8" pipe – 8" length +/- 15%	Assuming standard forces in tension or compression

## Compliance Features:

- Meets the Requirements of RoHS through June 2019 Revision of SVHC (Restriction of Hazardous Substances European Union Directive – 2002/95/EC)
- Compliant with European Union REACH (Registration, Evaluation and Authorization of Chemical Substances - EC1907/2006)



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