VOLCANO® EXHAUST SLEEVE

HIGHLY TEXTUZRIZED BASALT FIBER · PROTECTS UP TO 1,400°F
NON COMBUSTIBLE & FIRE RESISTANT

Volcano® Exhaust Sleeve is a specialized braid of highly texturized basalt fiber and structural paracord. Designed with high performance in mind, Volcano® Exhaust Sleeve reduces surface temperature on exhaust systems, minimizes vibration, protects from abrasion, and delivers unmatched aesthetics. The continuous filament basalt fiber braid provides exceptional high temperature and shock resistant qualities, while the paracord provides stability: flexible on install, the cords will cure in place once exposed to exhaust heat, so the sleeve won't unravel even under extreme stress.The durable, braided, and lightweight design is very flexible, which enables ease of assembly over tubes and pipes with bends, flanges, and a wide range of geometries.

SIZING CHART

Nominal Size	Part #	Min Expansion	Max Expansion	Wall Thickness	*Put-Ups		Available Colors	Lbs/ 100'
					M	L		
2"	VES2.00BA	1⅜"	2⅝"	.095"	25'	50'	1	22.0
4¼"	VES4.25BA	3½"	4¾"	.105"	25'	50'	1	41.0
6½"	VES6.50BA	5½"	7"	.115"	25'	50'	1	64.7

*Put-Ups: ***"M"*** = Shop Spool and ***"L"*** = Bulk Spool



FEATURES

Material	**Basalt Fibers**
Grade	**VES**
Wall Thickness	**.095"-.115"**
Drawing Number	**TF001VES-WD**
Cutting	**Scissors**

COLORS



Basalt (BA)

CERTIFICATIONS

RoHS Compliant

TECHFLEX®
Braided Sleeving Products

HIGH TEMPERATURE
Technical Data Sheet

VOLCANO EXHAUST SLEEVE

ABRASION

Abrasion Resistance	**HIGH**
Abrasion Test Machine	Taber 5150
Abrasion Test Wheel	Calibrase H-18
Abrasion Test Load	500g
Room Temperature	75°F
Humidity	55%
Material Destroyed	1,800 Test Cycles
Pre-Test Weight	30.7 g
Post-Test Weight	25.4 g
Test End Loss Of Mass Point Of Destruction	5.3 g

PHYSICAL PROPERTIES

Monofilament Diameter *(ASTM D-204)*	NA
Flammability Rating	Non Combustible
Recommended Cutting	Scissors
Colors	1
Wall Thickness	.095”-.115”
Tensile Strength (Yarn) *(ASTM D-2256 Lbs)*	NA
Specific Gravity *(ASTM D-792)*	NA
Moisture Absorption % *(ASTM D-570)*	NA
Hard Vacuum Data *(ASTM E-595 at 10-5 torr)*	NA
TML	NA
CVCM	NA
WVR	NA
Smoke D-Max *(ASTM E-662)*	NA
Outgassing	NA
Oxygen Index *(ASTM D-2863)*	NA

FLAMMABILITY

Rating	Non Combustible

OPERATING TEMPERATURES

Melt Point *(ASTM D-2117)*	1,800°F / 982°C
Maximum Continuous	1,400°F / 760s°C
Minimum Continuous	°F / °C

CHEMICAL RESISTANCE

1=No Effect 2=Little Effect 3=Affected 4=More Affected 5=Severely Affected

Aromatic Solvents	1
Aliphatic Solvents	1
Chlorinated Solvents	1
Weak Bases	1
Salts	1
Strong Bases	1
Salt Water *(0-S-1926)*	1
Hydraulic Fluid *(MIL-H-5606)*	1
Lube Oil *(MIL-L-7808)*	1
De-Icing Fluid *(MIL-A-8243)*	1
Strong Acids	2
Strong Oxidants	2
Esters/Ketones	1
UV Light	2
Petroleum	1
Fungus *(ASTM G-21)*	1
Halogen Free	Yes
RoHS	Yes
SVHC	None

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