

- Heavy Weight Braided Fiberglass Won't Burn, Melt, or Become Brittle
- Minimal Dusting When Cut & Handled
- Cut & Abrasion Resistant
- Easy To Install
- Resists Gasoline & Engine Chemicals



Cut Cleanly
Scissors

Material
Acrylic Coated Fiberglass

Grade
FGS

Wall Thickness
Refer to Chart

Drawing Number
TF001INS-WD

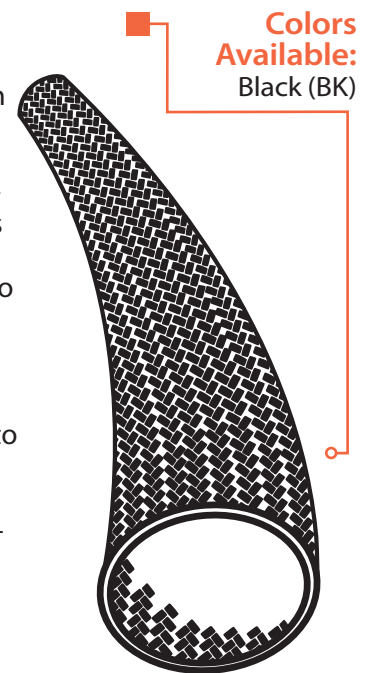
Put-Ups

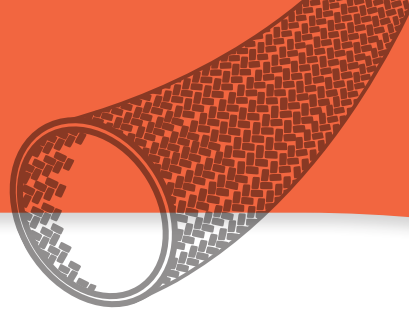
Nominal Size	Part #	Maximum Diameter	Wall Thickness	Bulk Spool	Shop Spool	Available Colors	Lbs/100'
1/2"	FGS0.50BK	7/8"	0.050"	200'	50'	1	7.30
3/4"	FGS0.75BK	2 3/4"	0.058"	200'	50'	1	13.60
1"	FGS1.00BK	2 1/2"	0.073"	200'	50'	1	17.00
1 1/4"	FGS1.25BK	3 3/8"	0.072"	100'	25'	1	21.70
1 3/8"	FGS1.38BK	4 3/8"	0.072"	100'	25'	1	24.75
1 1/2"	FGS1.50BK	5 3/8"	0.090"	100'	25'	1	27.80

Heat Treated, Fray-Resistant Fiberglass Slewing

INSULTHERM (HD) Heavy Duty is a braided fiberglass sleeving made in a heavy wall construction with a high temp cord braided into the sleeving. Insultherm HD is saturated with high temperature acrylic resins which adds rigidity and reduces fray when cut. The high temperature fiberglass cord braided into the sleeving adds significant abrasion protection and allows the sleeving to expand to much larger diameters, making it easier to apply over longer lengths.

Insultherm HD is ideal heat protection for cables and hoses in a wide range of available sizes and will withstand 1,200°F temperatures. This sleeving is designed to provide thermal insulation and protection for EGR tubes, fuel lines, hydraulic and industrial hose applications as well as many welding and automotive applications.





ABRASION **FLAMMABILITY**

Abrasion Resistance
Very High

Rating _____ UL VW-1

Abrasion Test Machine
Taber 5150

Abrasion Test Wheel
Calibrase H-18

Abrasion Test Load
500g

CHEMICAL RESISTANCE

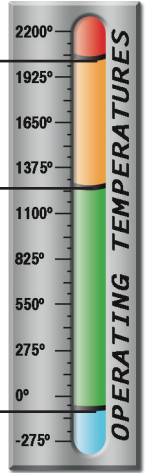
1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

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

Melt Point
ASTM D-2117
2,048°F (1,120°C)

Maximum Continuous
MIL-I-23053
1,202°F (650°C)

Minimum Continuous
-94°F (-70°C)



PHYSICAL PROPERTIES

Monofilament Diameter _____ NA
ASTM D-204

Flammability Rating _____ VW-1
FMVSS-302 Approved

Recommended Cutting _____ Scissor

Colors _____ 1

Wall Thickness _____ .050-.090

Specific Gravity *ASTM D-792* _____ 1.0-1.8

Moisture Absorption _____ .01
% *ASTM D-570*

Hard Vacuum Data _____
ASTM E-595

TML _____ .02

CVCM _____ .01

WVR _____ .00

Outgassing _____ Low

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