

- UL Recognized
- Resin Coated, Heavy Weight
Fiberglass Won't Burn, Melt
Or Become Brittle
- Easy To Install-Cuts With
Scissors
- Resists Gasoline And
Engine Chemicals
- Cut And Abrasion Resistant



**Cut Cleanly
Scissors**

Material
Resin Coated Fiberglass

Grade
FGN

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'
1/4"	FGN0.25	3/8"	0.031"	200'	50'	2	2.00
3/8"	FGN0.38	5/8"	0.043"	200'	50'	2	3.30
1/2"	FGN0.50	3/4"	0.046"	200'	50'	2	4.80
5/8"	FGN0.63	7/8"	0.046"	200'	50'	2	5.30
3/4"	FGN0.75	1 1/8"	0.046"	200'	50'	2	6.40
7/8"	FGN0.88	1 1/4"	0.046"	200'	50'	2	8.70
1"	FGN1.00	1 5/8"	0.057"	100'	25'	2	10.50
1 1/2"	FGN1.50	2 5/8"	0.061"	100'	25'	2	16.00
2 1/2"	FGN2.50	4 1/8"	0.071"	100'	25'	2	19.70

**Resin Coated Fiberglass
Protects To 1,200°F**

INSULTHERM (FG) is an extremely high temperature resistant sleeve commonly used as thermal protection for wires, cables and hoses that are subjected to continuous and extreme high temperature environments, such as engine manifolds and exhaust systems.

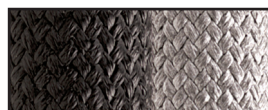
FG is braided from fiberglass yarns and coated with high temperature resins. FG is tough and durable, maintaining its tight structure under extreme vibration, abrasion, mechanical stress and temperature variations.

FG installs easily over a variety of applications to either deflect or retain heat in environments up to 1,200° F.

**"...will withstand extreme heat...
provides the protection needed"**

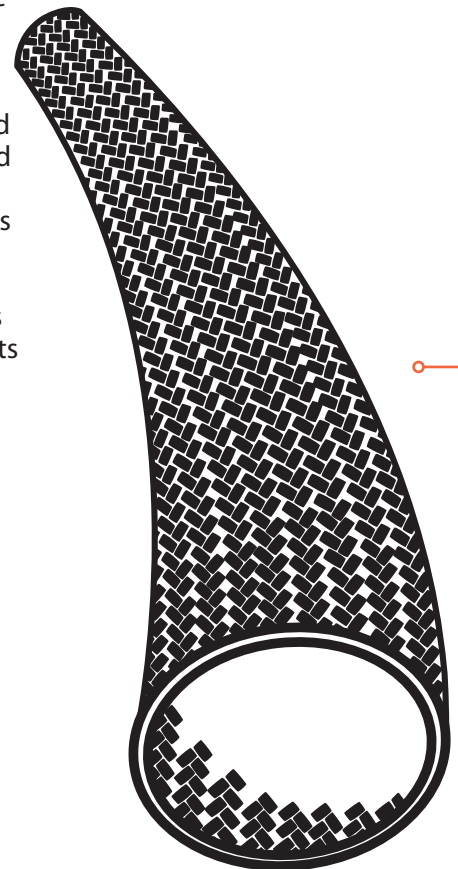
*Peter Mercier - Engineer Team Bucknum Racing
www.bucknum.com*

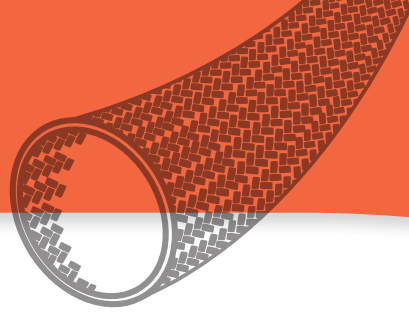
Colors Available:



Black (BK) and Silver (SV).

Colors Available:
2 = BK and SV





ABRASION **FLAMMABILITY**

Abrasion Resistance Rating _____ VW-1
High

Abrasion Test Machine
Taber 5150

Abrasion Test Wheel
Calibrase H-18

Abrasion Test Load
500g

Room Temperature
73°F

Humidity
55%

Visible Minor Scuffing
200 Test Cycles

Scuffing And Wear
Continues
300 Test Cycles

Scuffing And Wear
Continues
500 Test Cycles

Several Broken Strands
1,300 Test Cycles

Material Destroyed
1,650 Test Cycles

Pre-Test Weight
19,411.6 mg

Post-Test Weight
17,154.5 mg

Test End Loss Of Mass
Point Of Destruction
2,257.1 mg

CHEMICAL RESISTANCE

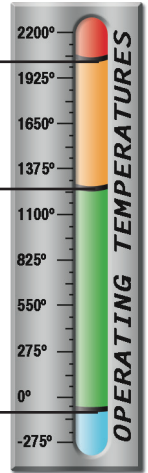
1=No Effect 4=More Affected
2=Little Effect 5=Severely Affected
3=Affected

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
Recommended Cutting _____ Scissor
Colors _____ 2
Wall Thickness _____ .031"-.061"
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