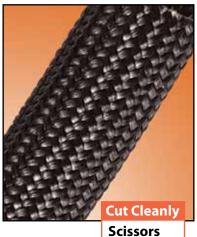


- UL Recognized
- Resin Coated, Heavy Weight Fiberglass Won't Burn, Melt **Or Become Brittle**
- Easy To Install-Cuts With Scissors
- Resists Gasoline And **Engine Chemicals**
- Cut And Abrasion Resistant



Material **Resin Coated Fiberglass**

Grade FGN

Wall Thickness **Refer to Chart**

Drawing Number TF001INS-WD



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.

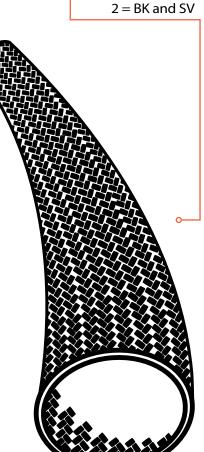
"...will withstand extreme heat... provides the protection needed"

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

Colors Available:



Black (BK) and Silver (SV).



- Colors Available:



Put-Ups -

EXTREME TEMPERATURE Technical Data Sheet



CABRASION **A**FLAMMABILITY

Rating

Abrasion Resistance 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



1=No Effect 2=Little Effect 3=Affected

4=More Affected 5=Severely Affected

VW-1

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 <i>MIL-H-5606</i>	
Lube Oil <i>MIL-L-7808</i>	1
De-Icing Fluid MIL-A-8243	1
Strong Acids	2
Strong Oxidants	
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)

TEMPERATURES 1925 1650* 1375* 1100* 825* PERATING 550* 275 -2750

www.techflex.com

Minimum Continuous -94°F (-70°C)

PHYSICAL PROPERTIES

Monofilament Diameter ASTM D-204	NA
Flammability Rating	VW-1
Recommended Cutting	Scissor
Colors	2
Wall Thickness	031061
Specific Gravity ASTM D-792_	1.0-1.8
Moisture Absorption % ASTM D-570	.01
Hard Vacuum Data ASTM E-595	
TML	.02
CVCM	.01
WVR	.00
Outgassing	

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