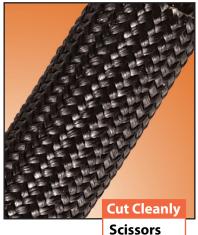


- UL Recognized
- Resin Coated, Heavy Weight Fiberglass Won't Burn, Melt Or Become Brittle
- Easy To Install-Cuts With Scissors
- Resists Gasoline And Engine Chemicals
- **Cut And Abrasion Resistant**



Scissor

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 |

Put-Ups =

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.

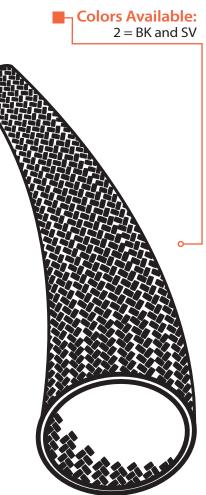
"...will withstand extreme heat... provides the protection needed"

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

Colors Available:



Black (BK) and Silver (SV).





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 | |
| Salt Water 0-S-1926 | |
| 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 | |
| SVHC | None |
| | |

22009 Melt Point ASTM D-2117 19259 2,048°F (1,120°C) Maximum Continuous

Mil-I-23053 1,202°F (650°C)

TEMPERATURES 1650° 1375° 11000. 825° PERATING 550° 275 -275°

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 | 031"061" |
| 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 | Low |

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