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:
2 = BK and SV
**ABRASION**

**FLAMMABILITY**

**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

**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

**Physical Properties**

Monofilament Diameter_________ NA
ASTM D-204

Flammability Rating ___________ VW-1

Recommended Cutting _______ Scissor

Colors __________________________ 2

Wall Thickness ___________.031”-.061”

Specific Gravity ASTMD-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

**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)

**Esters/Ketones**
1

**UV Light**
2

**Petroleum**
1

**Fungus ASTM G-21**
1

**Halogen Free**
Yes

**RoHS**
Yes

**SVHC**
None

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