FIRE FLEX AERO

EXTREME TEMPERATURE
Technical Data Sheet

- Stable to 500°F
- Jacketed With A Non-Permeable, Heavy Silicone Coating That Is Flexible Enough To Follow Tight Radius Curves
- Contains Radiant Heat To Prevent Damage To Nearby Components
- Resists Gasoline And Engine Chemicals
- Cut And Abrasion Resistant

**Cut Cleanly**
**Scissors**

**Material FIN**
**Silicone Jacketed Fiberglass**

**Grade**
**FIA**

**Wall Thickness**
**.115"**

| Nominal Size | Part # | Wall Thickness | Put-Ups: Bulk Spool | Put-Ups: Shop Spool | Available Colors | Lbs/ 100' |
|---|---|---|---|---|---|---|
| 1/4" | FIA0.25 | .115" | 100' | 50' | 2 | 8.04 |
| 3/8" | FIA0.38 | .115" | 100' | 50' | 2 | 9.96 |
| 7/16" | FIA0.44 | .115" | 100' | 50' | 2 | 12.96 |
| 1/2" | FIA0.50 | .115" | 100' | 50' | 2 | 14.04 |
| 5/8" | FIA0.63 | .115" | 100' | 50' | 2 | 20.04 |
| 3/4" | FIA0.75 | .115" | 50' | 25' | 2 | 21.96 |
| 7/8" | FIA0.88 | .115" | 50' | 25' | 2 | 26.04 |
| 1" | FIA1.00 | .115" | 50' | 25' | 2 | 33.00 |
| 1 1/8" | FIA1.13 | .115" | 50' | 25' | 2 | 35.04 |
| 1 1/4" | FIA1.25 | .115" | 50' | 25' | 2 | 36.96 |
| 1 3/8" | FIA1.38 | .115" | 50' | 25' | 2 | 44.04 |
| 1 1/2" | FIA1.50 | .115" | 50' | 25' | 2 | 48.00 |
| 1 5/8" | FIA1.63 | .115" | 50' | 25' | 2 | 38.04 |
| 1 3/4" | FIA1.75 | .115" | 50' | 25' | 2 | 42.00 |
| 1 7/8" | FIA1.88 | .115" | 50' | 25' | 2 | 44.04 |
| 2" | FIA2.00 | .115" | 50' | 25' | 2 | 48.00 |
| 2 1/4" | FIA2.25 | .115" | 50' | 25' | 2 | 55.00 |
| 2 1/2" | FIA2.50 | .115" | 50' | 25' | 2 | 65.04 |
| 2 3/4" | FIA2.75 | .115" | 50' | 25' | 2 | 76.20 |
| 3" | FIA3.00 | .115" | 50' | 25' | 2 | 87.00 |

## High Temperature Sleeve AS1072 Aerospace Grade

FireFlex Aero (FI) is engineered from a dense braided fiberglass sleeve and a thick coating of self-extinguishing high temperature silicone rubber that withstands 500°F continuous exposure, and molten splash up to 2,000°F.

Almost every aviation engine - turbine, turboprop or piston; civilian and military - uses FireFlex Aero to protect critical hoses and wiring in the event of an engine compartment fire. FireFlex Aero meets the specification of AS1072, allowing qualified hose assemblies to pass the fire resistance testing specification of AS1055D.

**Colors Available:**
2 = BK and RD

**The dense braided fiberglass interior insulates against energy loss in piping and hosing, while the high density silicone coating protects personnel from accidental injury.**

Colors Available:

Black (BK) and Red (RD).

TECHFLEX
Braided Sleeving Products
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104 Demarest Road • Sparta, NJ 07871

HALOGEN FREE

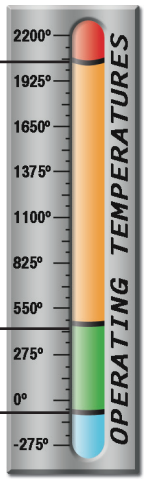
RoHS Compliant

FIRE FLEX AERO

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

**Maximum Continuous**
*Mil-I-23053*
**500°F (260°C)**

**Minimum Continuous**
**-65°F (-54°C)**




www.techflex.com

## ABRASION

***Abrasion Resistance***
**Extreme**

***Abrasion Test Machine***
**Taber 5150**

***Abrasion Test Wheel***
**Calibrase H-18**

***Abrasion Test Load***
**500g**

## FLAMMABILITY

Rating _____ Non Flammable

## 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 | 1 |
| Petroleum | 1 |
| Fungus *ASTM G-21* | 1 |
| Halogen Free | Yes |
| RoHS | Yes |
| SVHC | |

## PHYSICAL PROPERTIES

Monofilament Diameter NA
*ASTM D-204*
Flammability Rating Non Flammable
Recommended Cutting Scissor
Colors 2
Wall Thickness .115"
Tensile Strength (Yarn)
*ASTM D-2256 Lbs*
Specific Gravity *ASTM D-792* NA

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