### **EXTREME TEMPERATURES** Technical Data Sheet

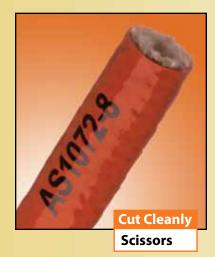
# FIRE

Put-Ups

## **FIREFLEX AERO**

#### Stable to 500°F

- Extra Thick Braid & Heavy Coating For Critical Aerospace Applications
- Contains Radiant Heat To Prevent Damage To Nearby Components
- Resists Gasoline And Engine Chemicals
- Cut And Abrasion Resistant



Material FIN Silicone Jacketed Fiberglass

Grade FIA

Wall Thickness .115″

			-			
Nominal Size	Part #	Wall Thickness	Bulk Spool	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.

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).



2 = BK and RD

**Colors Available:** 

**Nominal Diameter** 

NON COMBUSTABLE



Braided Sleeving Products

**www.techflex.com** 800.323.5140 • 973.300.9242 • fax: 973.300.9409 104 Demarest Road • Sparta, NJ 07871 **EXTREME TEMPERATURES Technical Data Sheet** 

## **FIREFLEX AERO**





**Abrasion Resistance Extremely High** 

**Abrasion Test Machine Taber 5150** 

**Abrasion Test Wheel** Calibrase H-18

Abrasion Test Load 500g



Non Flammable Rating

### Chemical Resistance

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

Aromatic Solvents	1
Aliphatic Solvents	1
Chlorinated Solvents	
Weak Bases	1
Salts	
Strong Bases	
Salt Water 0-S-1926	
Hydraulic Fluid MIL-H-5606	
Lube Oil MIL-L-7808	1
De-Icing Fluid MIL-A-8243	
Strong Acids	
Strong Oxidants	
Esters/Keytones	
UV Light	
Petroleum	
Fungus ASTM G-21	
Halogen Free	
RoHS	
SVHC	



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

Minimum Continuous -65°F (-54°C)

TEMPERATURES

OPERATING

1925

850 13752

1100

25

275

-275

# PHYSICAL PROPERTIES

Monofilament Diameter ASTM D-204		NA
Flammability Rating	Non Flar	nmable
Recommended Cutting_		_ <mark>Sc</mark> issor
Colors		2
Wall Thickness		115
Tensile Strength (Yarn)_ ASTM D-2256 Lbs		
Specific Gravity ASTM D	-792	NA

© 2014 Techflex, Inc. - Any unauthorized reproduction, in whole or part, in any medium whatsoever, without the express written permission of Techflex, Inc. is strictly forbidden. Techflex product names and logos are registered trademarks of Techflex, Inc., unless otherwise attributed. The contents and illustrations contained herein are believed to be reliable. Techflex makes no warranties as to their accuracy or completeness and disclaims any liability in connection with their use. Techflex's only obligations are those in standard terms of sale for these products and Techflex will not be liable for any consequential or other damages arising due to misuse of these products or typographical errors or omissions. Users should make their own evaluation to determine the suitability of these products for their unique and specific applications. 06-14