EXTREME TEMPERATURES Technical Data Sheet

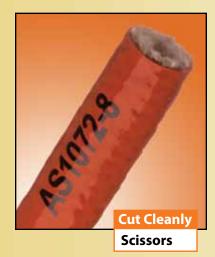
FIRE

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

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