



FIREFLEX®

JACKETED WITH A NON-PERMEABLE, HEAVY SILICONE COATING · STABLE TO 500°F CONTAINS RADIANT HEAT TO PREVENT DAMAGE TO NEARBY COMPONENTS

Silicone jacketed fiberglass sleeving is the choice of professionals in racing and other industries where protection from constant temperatures approaching 500°F is mandatory. Engineered to contain radiant exhaust and coolant heat within pipes and hoses and to protect expensive performance equipment and operators FireFlex® is completely non-conductive, will not melt, delaminate, become brittle or support combustion under normal conditions, and provides a professional level solution to thermal protection needs in any application. Fuel lines in race cars are especially vulnerable to high engine temperatures. FireFlex® can help maintain proper fuel temperature.

SIZING CHART

Nominal Size	Part #	Wall Thickness ±.010"	*Put-Ups		Available Colors	Lbs/ 100'
			M	L		
¼"	FIN0.25	.072"	25'	50'	3	4.80
⅜"	FIN0.38	.072"	25'	50'	3	6.30
½"	FIN0.50	.072"	25'	50'	3	7.40
⅝"	FIN0.63	.072"	25'	50'	3	8.80
¾"	FIN0.75	.072"	10'	25'	3	9.80
⅞"	FIN0.88	.072"	10'	25'	3	10.10
1"	FIN1.00	.072"	10'	25'	3	13.50
1¼"	FIN1.25	.072"	10'	25'	3	14.00
1½"	FIN1.50	.072"	10'	25'	3	14.70
1¾"	FIN1.75	.072"	10'	25'	3	16.30
2"	FIN2.00	.072"	10'	25'	3	20.50
2¼"	FIN2.25	.072"	10'	25'	3	22.90
2⅜"	FIN2.38	.072"	10'	25'	3	26.90
2½"	FIN2.50	.072"	10'	25'	3	28.30
2¾"	FIN2.75	.072"	10'	25'	3	30.10
2⅞"	FIN2.88	.072"	10'	25'	3	32.00
3"	FIN3.00	.072"	10'	25'	3	33.40
3½"	FIN3.50	.072"	5'	10'	3	37.20
4"	FIN4.00	.072"	5'	10'	3	40.10

*Put-Ups: "M" = Shop Spool and "L" = Bulk Spool



FEATURES

Material	Silicone Jacketed Fiberglass
Grade	FIN
Wall Thickness	.072"
Drawing Number	TF001FIN-WD
Cutting	Scissors

ABRASION

Abrasion Resistance	EXTREME
Abrasion Test Machine	Taber 5150
Abrasion Test Wheel	Calibrase H-18
Abrasion Test Load	500g
Room Temperature	71°F
Humidity	61%
Small Hole In Coating	400 Test Cycles
Several Small Holes Worn Through Coating	1,200 Test Cycles
Coating Worn Through - No Wear On Fiberglass	4,800 Test Cycles
Material Destroyed	8,400 Test Cycles
Pre-Test Weight	22,961.3 mg
Post-Test Weight	20,942.2 mg
Test End Loss Of Mass Point Of Destruction	2,019.1 mg

PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	NA
Flammability Rating	Non Flammable
Recommended Cutting	Scissors
Colors	3
Wall Thickness	.072"
Tensile Strength (Yarn) (ASTM D-2256 Lbs)	NA
Specific Gravity (ASTM D-792)	NA
Moisture Absorption % (ASTM D-570)	NA
Hard Vacuum Data (ASTM E-595 at 10-5 torr)	NA
TML	NA
CVCM	NA
WVR	NA
Smoke D-Max (ASTM E-662)	NA
Outgassing	NA
Oxygen Index (ASTM D-2863)	NA

CERTIFICATIONS



COLORS



Black (BK), Red (RD), Silver (SV)

FLAMMABILITY

Rating	Non Flammable, Non Combustible
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OPERATING TEMPERATURES

Melt Point (ASTM D-2117)	2,048°F / 1,120°C
Maximum Continuous (Mil-I-23053)	500°F / 260°C
Minimum Continuous (Mil-I-23053)	-65°F / -54°C

CHEMICAL RESISTANCE

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

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08-01-23