



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
--------	--------------------------------

OPERATING TEMPERATURES

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

www.TECHFLEX.com

104 Demarest Road • Sparta, NJ 07871 • 1 (833) SLEEVING • (973) 300-9242 • fax: (973) 300-9409

© 2023 Techflex® - Any unauthorized reproduction, in whole or part, in any medium whatsoever, without the express written permission of Techflex® is strictly forbidden. Techflex® product names and logos are registered trademarks of Techflex®, 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.

08-01-23