

# AGRIEMACH LTD

Wayfarers, Old Domewood, Copthorne, West Sussex, RH10 3HD  
 Tel: (01342) 713743 Fax: (01342) 719181 email: [info@agriemach.com](mailto:info@agriemach.com)

## Resin Saturated Fiberglass Sleeve

Our Resin Saturated Fiberglass Sleeving is an extremely high temperature resistant sleeve commonly used as thermal protection for wires, cables and hoses that are subjected to continuous and extreme high temperature environments, such as engine manifolds and exhaust systems.

Our Fiberglass Sleeve is braided from fiberglass yarns and saturated with high temperature resins that improve the product's stability and minimize irritating fiberglass dusting during cutting and installation. The sleeving is tough and durable, maintaining its tight structure under extreme vibration, abrasion, mechanical stress and temperature variations.

It is available in a wide range of diameters. It cuts cleanly with scissors and installs easily over a variety of applications to either deflect or retain heat in environments up to 649°C - 1,200°F.

### Sizes

Nominal Size	Product Part #	Maximum Diameter	Wall Thickness	Standard Spool Put-Ups		Available Colors	Lbs/100'
				Bulk Spool	Shop Spool		
1/4"	FGN0.25	3/8"	.031"	200'	50'	SV & BK	2.00
3/8"	FGN0.38	5/8"	.043"	200'	50'	SV & BK	3.30
1/2"	FGN0.50	3/4"	.046"	200'	50'	SV & BK	4.80
5/8"	FGN0.63	7/8"	.046"	200'	50'	SV & BK	5.30
3/4"	FGN0.75	1 1/8"	.046"	200'	50'	SV & BK	6.40
7/8"	FGN0.88	1 1/4"	.046"	200'	50'	SV & BK	8.70
1"	FGN1.00	1 5/8"	.057"	100'	25'	SV & BK	10.50
1 1/2"	FGN1.50	2 5/8"	.061"	100'	25'	SV & BK	16.00

### Physical Properties

Flammability Rating	VW-1
Recommended Cutting	Scissor
Colors	2
Wall Thickness	.031 - .061
Abrasion Resistance	High
Specific Gravity	1.0 - 1.8
Moisture Absorption % (ASTM D-570)	.01

### Hard Vacuum Data (ASTM E-595 at 10-5 torr)

TML	.02
CVCM	.01
WVR	.00
Outgassing	Low

### Operating Temperatures

Minimum Continuous	-94°F/-70°C
Maximum Continuous (MIL-I-23053)	1,202°F/650°C
Melt (ASTM D-2117)	2,048°F/1,120°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
Strong Bases	1	Salt Water (O-S-1926)	1
Hydraulic Fluid (MIL-H-5606)	1	Lubricating Oil (MIL-A-8243)	1
De-Icing Fluid (MIL-A-8243)	1	Strong Acids	2
Strong Oxidants	2	Esters/Keytones	2
UV Light	2	Petroleum	1
Fungus (ASTM G-21)	1	Salts	1

Halogen Free	Yes	RoHS	Yes
SVHC	None	UL/CSA	No

The above data and values contained within are for guideline use only and are not guaranteed. Each application is unique and we therefore always recommend testing be carried out by the customer.