

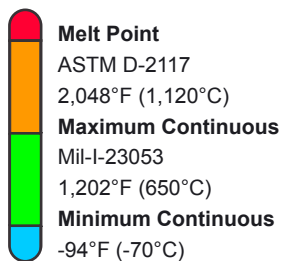
MFG is an extremely high temperature resistant sleeve commonly used as thermal protection for wires, cables and hoses that are subjected to continuous and extreme high temperature environments, such as engine manifolds and exhaust systems. It is braided from fiberglass yarns and coated with high temperature resins. MFG is tough and durable, maintaining its tight structure under extreme vibration, abrasion, mechanical stress and temperature variations. MFG installs easily over a variety of applications to either deflect or retain heat in environments up to 1,200° F.



- UL recognized
- Resin coated, heavy weight fiberglass won't burn, melt or become brittle
- Easy to install-cuts with scissors
- Resists gasoline and engine chemicals
- Cut and abrasion resistant
- Colour: Black (BK) & Silver (SV)



TYPE	COLOUR
MFG0.75BK.15	NW PU



Specifications are subject to change without notice

Order Number	Nominal Width	Maximum Diameter		Wall Thickness		Weight		Standard Spool Put-Ups	
	(NW)	(mm)	(in)	(mm)	(in)	Kg/100m	Lbs/100'	(M)	(F)
MFG0.25BK.15	1/4"	9.5	3/8"	0.79	0.031"	2.97	2.00	15	50
MFG0.38BK.15	3/8"	15.9	5/8"	1.09	0.043"	4.90	3.30	15	50
MFG0.50BK.15	1/2"	19.1	3/4"	1.17	0.046"	7.13	4.80	15	50
MFG0.63BK.15	5/8"	22.2	7/8"	1.17	0.046"	7.88	5.30	15	50
MFG0.75BK.15	3/4"	28.6	1 1/8"	1.17	0.046"	9.51	6.40	15	50
MFG0.88BK.15	7/8"	31.8	1 1/4"	1.17	0.046"	12.93	8.70	15	50
MFG1.00BK.7.5	1"	41.3	1 5/8"	1.45	0.057"	15.61	10.50	7.5	25
MFG1.50BK.7.5	1 1/2"	66.7	2 5/8"	1.55	0.061"	23.78	16.00	7.5	25

Abrasion Test Data

- Abrasion resistance: **High**
- Abrasion test machine: **Taber 5150**
- Abrasion test wheel: **Calibrase H-18**
- Abrasion test load: **500g**
- Room temperature: **73°F**
- Humidity: **55%**
- Visible minor scuffing: **200 test cycles**
- Scuffing and wear continues: **500 test cycles**
- Several Broken Strands: **1,300 test cycles**
- Material wear out: **1,650 test cycles**
- Pre-test weight: **19,411.6 mg**
- Post-test weight: **17,154.5 mg**
- Test end loss of mass point of destruction: **2,257.1 mg**

Physical Properties

- Monofilament diameter: **N/A**
- Flammability rating: **VW-1**
- Recommended cutting: **Scissors**
- Colours: **2**
- Wall thickness: **.031-.061**
- Tensile strength *ASTM D-2256 Lbs (Yarn)*: **N/A**
- Specific gravity *ASTM D-792*: **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**
- Smoke D-Max *ASTM E-662*: **N/A**
- Outgassing: **Low**
- Oxygen index *ASTM D-2863*: **N/A**

MFG - Chemical Resistance Index

	Severely Affected	More Affected	Affected	Little Effect	No Effect
Aromatic Solvents					
Aliphatic Solvents					
Chlorinated Solvents					
Weak Bases					
Salts					
Strong Bases					
Salt Water 0-S-1926					
Hydraulic Fluid MIL-H-5606					

	Severely Affected	More Affected	Affected	Little Effect	No Effect
Lube Oil MIL-L-7808					
De-Icing Fluid MIL-A-8243					
Strong Acids					
Strong Oxidants					
Esters/Ketones					
UV Light					
Petroleum					
Fungus ASTM G-21					