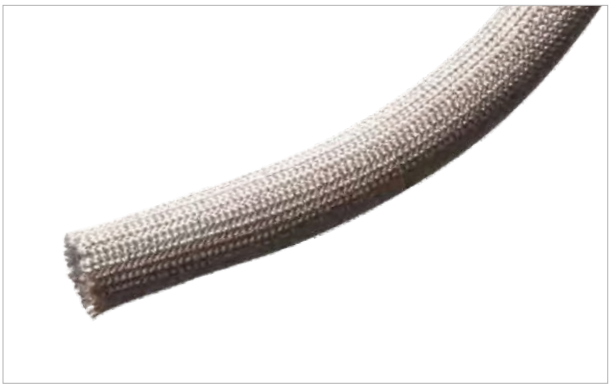
MOLTEC International MHN Braided Fiberglass

will withstand extreme heat...
Provides the protection needed

MHN fiberglass sleeve is ideal for the protection of wires and hoses exposed to the heat generated from high performance engine and exhaust components.

The heat treated sleeving cuts with scissors and is compatible with most bonding and saturation systems. MHN expands slightly, allowing it to slide easily over wires and follow curves and contours without binding. .

RoHS 2002/95/EC



- UL recognized
- Continuous Filament E-Type Glass
- Resists Abrasion, Vibration & Mechanical Stress
- Easy To Install & Cuts With Scissors
- Stays Flexible in Low Temps
- Colour: Natural (NT)

TYPE COLOUR
MHN 0.50 NT . 15
NW PU

Melt Point
ASTM D-2117
2,048°F (1,120°C)
Maximum Continuous
Mil-I-23053
1,202°F (650°C)
Minimum Continuous
-94°F (-70°C)

Specifications are subject to change without notice

Order Number	Nominal Width	Diameter		Wall Thickness		Expansion Range Min.		Expansion Range Max.		Standard Spool Put-Ups	
	(NW)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(M)	(F)
MHNG.24NT.75	24	0.56	0.022	0.13	0.005	0.51	0.020	0.69	0.027	75	250
MHNG.22NT.75	22	0.69	0.027	0.13	0.005	0.64	0.025	0.81	0.032	75	250
MHNG.20NT.75	20	0.86	0.034	0.23	0.009	0.81	0.032	0.99	0.039	75	250
MHNG.18NT.75	18	1.07	0.042	0.28	0.011	1.02	0.040	1.24	0.049	75	250
MHNG.17NT.75	17	1.19	0.047	0.28	0.011	1.14	0.045	1.37	0.054	75	250
MHNG.16NT.75	16	1.35	0.053	0.28	0.011	1.30	0.051	1.55	0.061	75	250
MHNG.14NT.75	14	1.68	0.066	0.28	0.011	1.63	0.064	1.88	0.074	75	250
MHNG.13NT.75	13	1.93	0.076	0.28	0.011	1.83	0.072	2.08	0.082	75	250
MHNG.12NT.30	12	2.16	0.085	0.28	0.011	2.06	0.081	2.31	0.091	30	100
MHNG.11NT.30	11	2.41	0.095	0.28	0.011	2.31	0.091	2.57	0.101	30	100
MHNG.10NT.30	10	2.69	0.106	0.28	0.011	2.59	0.102	2.84	0.112	30	100
MHNG.09NT.30	9	3.00	0.118	0.28	0.011	2.90	0.114	3.15	0.124	30	100
MHNG.08NT.30	8	3.38	0.133	0.28	0.011	3.28	0.129	3.58	0.141	30	100
MHNG.07NT.30	7	3.76	0.148	0.33	0.013	3.66	0.144	4.01	0.158	30	100
MHNG.06NT.30	6	4.22	0.166	0.33	0.013	3.86	0.152	4.52	0.178	30	100
MHNG.05NT.30	5	4.72	0.186	0.33	0.013	4.62	0.182	5.03	0.198	30	100
MHNG.04NT.30	4	5.28	0.208	0.41	0.016	5.18	0.204	5.69	0.224	30	100
MHNG.03NT.30	3	5.94	0.234	0.41	0.016	5.82	0.229	6.32	0.249	30	100
MHNG.02NT.30	2	6.68	0.263	0.41	0.016	6.55	0.258	7.06	0.278	30	100
MHNG.01NT.15	1	7.47	0.294	0.41	0.016	7.34	0.289	7.90	0.311	15	50
MHNG.00NT.15	0	8.38	0.33	0.41	0.016	8.26	0.325	8.81	0.347	15	50
MHN0.25NT.15	1/4"	6.35	0.25	0.25	0.010	6.35	0.250	7.95	0.313	15	50
MHN0.31NT.15	5/16"	7.95	0.313	0.41	0.016	7.95	0.313	8.46	0.333	15	50
MHN0.38NT.15	3/8"	9.53	0.375	0.30	0.012	9.53	0.375	12.70	0.500	15	50
MHN0.44NT.15	7/16"	11.13	0.438	0.46	0.018	11.13	0.438	11.73	0.462	15	50
MHN0.50NT.15	1/2"	12.70	0.5	0.33	0.013	12.70	0.500	15.88	0.625	15	50
MHN0.63NT.15	5/8"	15.88	0.625	0.61	0.024	15.88	0.625	19.05	0.750	15	50
MHN0.75NT.15	3/4"	19.05	0.75	0.61	0.024	19.05	0.750	22.23	0.875	15	50
MHN1.00NT.15	1"	25.40	1	0.61	0.024	25.40	1.000	31.75	1.250	15	50

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Abrasion Test Data

- Abrasion resistance: **Medium**
- Abrasion test machine: **Taber 5150**
- Abrasion test wheel: **Calibrase H-18**
- Abrasion test load: **500g**
- Room temperature: **78°F**
- Humidity: **72%**
- Material Destroyed: **1,000 test cycles**
- Pre-test weight: **3,374.0 mg**
- Post-test weight: **2,839.3 mg**
- Test end loss of mass
  point of destruction: **534.7 mg**

Physical Properties

- Monofilament diameter: **N/A**
- Flammability rating: **VW-1**
- Recommended cutting: **Scissors**
- Colours: **1**
- Wall thickness: **.010-.024**
- 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 **.01**
  CVCM **.00**
  WVR **.00**
- Smoke D-Max *ASTM E-662*: **N/A**
- Outgassing: **Low**
- Oxygen index *ASTM D-2863*: **N/A**

MHN - Chemical Resistance Index

5 Severely Affected	4 More Affected	3 Affected	2 Little Effect	1 No Effect
Aromatic Solvents				
Aliphatic Solvents				
Chlorinated Solvents				
Weak Bases				
Salts				
Strong Bases				
Salt Water 0-S-1926				
Hydraulic Fluid MIL-H-5606				

5 Severely Affected	4 More Affected	3 Affected	2 Little Effect	1 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				

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