

The latest innovation in the braided material design is the concept of using different shaped filaments to create strength, stiffness or a variety of other effects. MNH Sleeve is engineered from flat thick abrasion guard for use on hoses. This type of sleeve has been tested against competitor's abrasion guards that mix materials in an effort to gain slight abrasion advantages. Our Sleeve achieves better results without sacrificing great looks or flexibility. Constant abuse from road hazards, abrasion and vibration make MNH the choice to protect hoses in over-the-road vehicle.

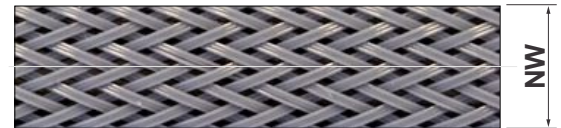


- Innovative braided flat filament technology
- Resists damage from UV, gasoline, engine chemicals & salt water
- Heavy plastic protection
- Smooth inner wall reduces internal abrasion
- Extreme cut and abrasion resistant
- Halogen free
- Colour: black



TYPE	COLOUR
<b>MNH0.75BK.15</b>	
NW	PÜ

	<b>Melt Point</b>
	ASTM D-2117 509°F (265°C)
	<b>Maximum Continuous</b>
	Mil-I-23053 302°F (150°C)
	<b>Minimum Continuous</b>
	-76°F (-60°C)



Specifications are subject to change without notice

Order Number	Nominal Width	Expansion Range Min.		Expansion Range Max.		Weight		Standard Spool Put-Ups	
	(NW)	(mm)	(in)	(mm)	(in)	Kg/100m	Lbs/100'	(M)	(F)
MNH0.50BK.30	1/2"	9.5	3/8"	15.9	5/8"	2.08	1.40	30.0	100
MNH0.75BK.15	3/4"	15.9	5/8"	25.4	1"	3.12	2.10	15.0	50
MNH1.00BK.15	1"	22.2	7/8"	31.8	1 1/4"	3.27	2.20	15.0	50
MNH1.25BK.15	1 1/4"	25.4	1"	38.1	1 1/2"	3.72	2.50	15.0	50
MNH1.75BK.7.5	1 3/4"	38.1	1 1/2"	50.8	2"	5.94	4.00	7.5	25
MNH2.00BK.7.5	2"	44.5	1 3/4"	63.5	2 1/2"	6.54	4.40	7.5	25

## Abrasion Test Data

- Abrasion resistance: **Extremely high**
- Abrasion test machine: **Taber 5150**
- Abrasion test wheel: **Calibrase H-18**
- Abrasion test load: **500g**
- Room temperature: **80°F**
- Humidity: **72%**
- Minor scuffing: **100 test cycles**
- One broken strand: **900 test cycles**
- Second Broken Strand: **1,200 test cycles**
- One strand pulled out of material: **3,500 test cycles**
- Material wear out: **4,400 test cycles**
- Pre-test weight: **7,191.6 mg**
- Post-test weight: **6,761.4 mg**
- Test end loss of mass point of destruction: **430.20mg**

## Physical Properties

- Flat filament: **.020**
- Flammability rating: **N/A**
- Recommended cutting: **Hot Knife**
- Colours: **1**
- Wall thickness: **.05**
- Tensile strength(Yam): **.05**
- Specific gravity *ASTM D-792*: **1.12**
- Moisture absorption% *ASTM D-570*: **2.5**
- Hard vacuum data *ASTM E-595 at 10-5 torr*:  
TML **1.10**  
CVCM **.01**  
WVR **.69**
- Smoke D-Max *ASTM E-662*: **56**
- Outgassing: **High**
- Oxygen index *ASTM D-2863*: **22**

### MNH - Chemical Resistance Index

	5	4	3	2	1		5	4	3	2	1	
	Severely Affected	More Affected	Affected	Little Effect	No Effect		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												
Lube Oil MIL-L-7808												
De-Icing Fluid MIL-A-8243												
Strong Acids												
Strong Oxidants												
Esters/Ketones												
UV Light												
Petroleum												
Fungus ASTM G-21												