Full Coverage, Soft, Supple, Strong And Attractive

Under the hood or across the floor, NM is the perfect sleeving product for protecting and improving the appearance of wires and cables. NM has been used in military wire harness applications for many years.

NM’s fabric-like softness and flexibility meet surprisingly tough specifications. The high coverage sleeving meets or exceeds military specifications A-A-59301. NM is highly resistant to abrasion, cuts, common automotive and marine chemicals, UV damage and vibration. It will not rot or retain moisture.

The wide operating temperature range allows NM to protect delicate wiring in engine compartments and near exhaust systems. NM creates a unique and attractive retro look when installed on a/v cables.

Nylon Multi’s qualities make it a viable choice for defense and military applications that call for flexibility, strength and full coverage protection.
**ABRASION**

**Abrasion Resistance**  
Very High

**Abrasion Test Machine**  
Taber 5150

**Abrasion Test Wheel**  
Calibrase H-18

**Abrasion Test Load**  
500g

**Room Temperature**  
70°F

**Humidity**  
58%

**Much Pulling Of Fibers - Very Visible Wear**  
20 Test Cycles

**Wear Pattern Continues**  
400 Test Cycles

**Wear Pattern Continues**  
900 Test Cycles

**Wear Pattern Continues**  
1,400 Test Cycles

**Hole Completely Through Material Destroyed**  
3,200 Test Cycles

**Pre-Test Weight**  
11,759.5 mg

**Post-Test Weight**  
10,990.2 mg

**Test End Loss Of Mass Point Of Destruction**  
769.3 mg

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**CHEMICAL RESISTANCE**

1 = No Effect    4 = More Affected  
2 = Little Effect  5 = Severely Affected  
3 = Affected

- Aromatic Solvents __________ 1
- Aliphatic Solvents __________ 1
- Chlorinated Solvents _________ 1
- Weak Bases _________________ 1
- Salts _______________________ 1
- Strong Bases ________________ 2
- Salt Water 0-5-1926 ___________ 1
- Hydraulic Fluid MIL-H-5606 __________ 1
- Lube Oil MIL-L-7808 ____________ 1
- De-Icing Fluid MIL-A-8243 __________ 1
- Strong Acids _________________ 5
- Strong Oxidants _____________ 5
- Esters/Ketones _______________ 2
- UV Light _____________________ 2
- Petroleum ____________________ 2
- Fungus ASTM G-21 ____________ 3
- Halogen Free _________________ Yes
- RoHS ________________________ Yes
- SVHC ________________________ None

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**PHYSICAL PROPERTIES**

- Monofilament Diameter _______ NA
- ASTM D-204
- Recommended Cutting _______Hot Knife
- Colors _______________________ 1
- Wall Thickness ______________ .02"-.06"
- Specific Gravity ______________ 1.14
- ASTM D-792
- Moisture Absorption __________ 2.5
- % ASTM D-570
- Hard Vacuum Data ____________  
- ASTM E-595 at 10-5 torr
- TML ________________________ 1.10
- CVCM ________________________ .01
- WVR _________________________ .69
- Outgassing ________________ High
- Oxygen Index ________________ 22
- ASTM D-2863

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**Melt Point**  
ASTM D-2117  
428°F (220°C)

**Maximum Continuous**  
Mil-I-23053  
248°F (120°C)

**Minimum Continuous**  
-49°F (-45°C)

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