



# PRODUCT DATA

## NYMAX SLEEVING

Nylon Braided Sleevings

### DESCRIPTION

NYMAX sleevings is formed by braiding nylon staple yarns into a tubular construction. Nylon is the generic name for a family of polyamides formed by the condensation of dibasic organic acids and diamines.

### FEATURES

NYMAX sleevings are characterized by their extreme flexibility, high strength, toughness and resistance to abrasion. Nylon shows good resistance to acids in weak concentrations and most alkalis. It is generally unaffected by organic solvents. Nylon is considered to be water repellent but actually is hygroscopic and will absorb up to 2 percent moisture content at normal humidities. Absorbed moisture will tend to increase its flexibility and impact strength. It softens at about 225°C and melts at about 250°C. Nylon sleevings will show some loss of physical properties after long exposure to sunlight or elevated temperatures.

### APPLICATIONS

NYMAX sleevings are used over wires, wire bundles and harnesses, cable assemblies, tubing and hoses where it provides a tough durable protection. Its relatively tight weave construction prevents penetration by foreign objects while maintaining excellent flexibility. It can be used in marine applications because it is not attacked by mildew. NYMAX is commonly used as a sleeve over filter tubes in certain chemical and water filtration units. It can be used as a base fabric and coated for electrical applications or as a reinforcing fabric in composite construction.

### STANDARD COLORS

Black and Natural

## NYMAX SLEEVING

### PROPERTIES

PROPERTY	TEST METHOD	PERFORMANCE
Tensile Strength	ASTM D-876	80,000 psi
Specific Gravity	ASTM D-876	1.14
Dielectric Constant		4.0
@1000 Hz, 18% RH and 70°F		
Moisture Absorption (24 hours)	ASTM D-570	0.4%
Melt Temperature		250°C
Sleeving Specification	MIL-S-47053	

### DIMENSIONS

Size Nominal I.D.	Approx. Weight lbs./1000 feet	Std. Spool put-up
1/8"	1.1	1000 ft.
3/16"	5.6	1000 ft.
1/4"	8.9	500 ft.
5/16"	9.9	500 ft.
3/8"	10.9	500 ft.
1/2"	21.3	250 ft.
5/8"	18.5	250 ft.
3/4"	31.5	250 ft.
7/8"	43.5	200 ft.
1"	51.5	200 ft.
1-1/4"	47.7	125 ft.
1-1/2"	64.6	100 ft.
2"	90.1	100 ft.
2-1/2"	103.2	100 ft.
3"	110.0	50 ft.
4"	120.5	50 ft.

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