

**NOMEX®**

- Soft, Pliable And Strong
- Exceptional Thermal Stability
- Protects To 662°F
- Resists Gasoline And Engine Chemicals
- Cut And Abrasion Resistant



**Cut Cleanly**  
**Scissors**

**Material**  
 Polyaramid Polymetaphenylene Isophthalamide

**Grade**  
 NXN

**Drawing Number**  
 TF001NX-WD

**Put-Ups**

Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Retail	Bag	Available Colors	Lbs/100'
		Min.	Max.						
1/8"	NXN0.13	1/16"	1/4"	100'	25'	15'	10'	2	0.12
1/4"	NXN0.25	1/8"	5/16"	100'	25'	15'	10'	2	0.50
5/16"	NXN0.31	7/32"	7/16"	100'	25'	15'	10'	2	0.60
3/8"	NXN0.38	1/4"	1/2"	100'	25'	15'	10'	2	0.67
1/2"	NXN0.50	5/16"	5/8"	100'	25'	15'	10'	2	0.91
5/8"	NXN0.63	7/16"	7/8"	100'	25'	15'	10'	2	1.10
3/4"	NXN0.75	9/16"	1"	100'	25'	15'	10'	2	1.34
1"	NXN1.00	3/4"	1 1/8"	100'	25'	15'	10'	2	2.42
1 1/4"	NXN1.25	1"	1 1/2"	100'	25'	15'	10'	2	3.49
1 1/2"	NXN1.50	1 1/4"	1 3/4"	100'	25'	15'	10'	2	4.03
1 3/4"	NXN1.75	1 1/2"	2"	100'	25'	15'	10'	2	4.76

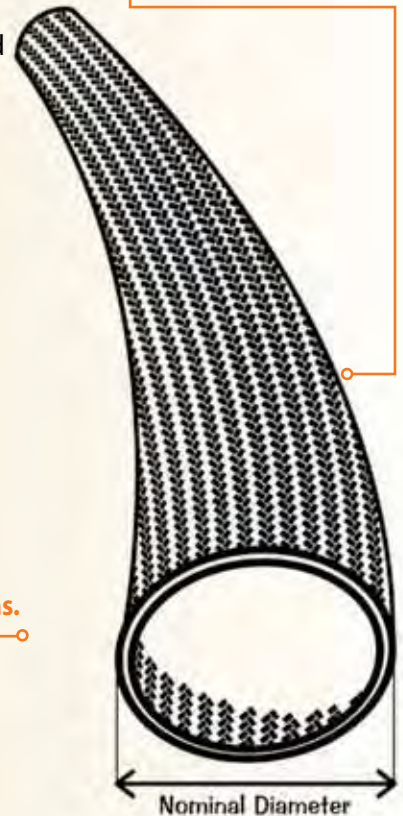
**Soft, Pliable Flame Protection To 662°F**

Woven Nomex® clothing and protective gear has been used for years by race car drivers, municipal fire departments and oil rig personnel to provide that extra level of comfort and protection from the dangers that come with working in and around intense flame and heat. Our NX Nomex® sleeving will do the same for your wires, hoses and cables.

NX Nomex® will protect your application in temperatures up to 662° F. It is unaffected by short term exposure to most acids, bases, solvents and common engineering chemicals. Despite the soft touch and smooth appearance associated with woven aramid fibers, NX is incredibly strong, with a tensile strength of 90,000 psi.

■ **Colors Available:**  
 2 = GN and NT.

■ **Provides full coverage and protection on even the most exposed applications. Cuts easily with regular scissors and the smooth surface eases installation even over long wire runs. The construction allows slight expansion to accommodate irregular surfaces and tight turns.**



Colors Available:



Green (GN) and Natural (NT).



[www.techflex.com](http://www.techflex.com)  
 800.323.5140 • 973.300.9242 • fax: 973.300.9409  
 29 Brookfield Dr • Sparta, NJ 07871

**HALOGEN FREE**



# EXTREME TEMPERATURES

## Technical Data Sheet



# NOMEX®



**Abrasion Resistance**  
**Low**

**Abrasion Test Machine**  
**Taber 5150**

**Abrasion Test Wheel**  
**Calibrase H-18**

**Abrasion Test Load**  
**500g**

**Room Temperature**  
**80°F**

**Humidity**  
**70%**

**Material Very Visibly**  
**Being Pulled Apart**  
**25 Test Cycles**

**Hole Through**  
**Material Destroyed**  
**350 Test Cycles**

**Pre-Test Weight**  
**2271.03 mg**

**Post-Test Weight**  
**2097.67 mg**

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



*Does Not Melt or Flow Below*  
**662°F/350°C**

*Retains its integrity at temperatures over 489°F/254°C (the melting point of Nylon) or in presence of Beta, Gamma and X-Ray Radiation or when exposed to High Humidity or Moisture.*



## Chemical Resistance

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

Strong Bases	_____	1
Strong Acids	_____	2
Strong Oxidants	_____	2
UV Light	_____	2
Petroleum	_____	1
Halogen Free	_____	Yes
RoHS	_____	Yes

**Melt Point**  
*ASTM D-2117*  
**662°F (350°C)**

**Maximum Continuous**  
*Mil-I-23053*  
**428°F (220°C)**

**Minimum Continuous**  
**-76°F (-60°C)**



## PHYSICAL PROPERTIES

Monofilament Diameter	_____	NA
<i>ASTM D-204</i>		
Flammability Rating_Self Extinguishing	<i>FMVSS-302 Approved</i>	
Recommended Cutting	_____	Scissor
Colors	_____	2
Wall Thickness	_____	.016
Tensile Strength (Yarn)	_____	8
<i>ASTM D-2256 Lbs</i>		
Specific Gravity <i>ASTM D-792</i>	_____	1.38
Moisture Absorption	_____	4
<i>% ASTM D-570</i>		
Hard Vacuum Data <i>ASTM E-595</i>		
TML	_____	3.94
CVCM	_____	.18
WVR	_____	2.91
Oxygen Index	_____	28
<i>ASTM D-2863</i>		

www.techflex.com