



- Excellent Mechanical Properties And Chemical Resistance
- Property Retention Over A Wide Temperature Range
- Cut and Abrasion Resistant
- Low Moisture Regain

Nominal Size	Part #	Wall Thickness	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/100'
			Min	Max				
1/8"	VEN0.13NT	0.25"	7/64"	9/64"	500'	100'	Natural (NT)	0.36
1/4"	VEN0.25NT	0.25"	13/64"	19/64"	500'	100'	Natural (NT)	0.72

Put-Ups

A Unique Combination Of Properties For Demanding Applications

VECTRAN® (VE) is a high-performance multifilament yarn spun from liquid crystal polymer. Pound for pound Vectran fiber is five times stronger than steel and ten times stronger than aluminum, which makes it the material of choice in demanding applications where other fibers fail to meet performance requirements.

Our product also demonstrates minimal moisture absorption, outstanding cut and abrasion resistance, high dielectric strength, and melt temperature of 625°F. Vectran sleeving is used in a wide range of applications, including aerospace, high tech research, and industrial protection.

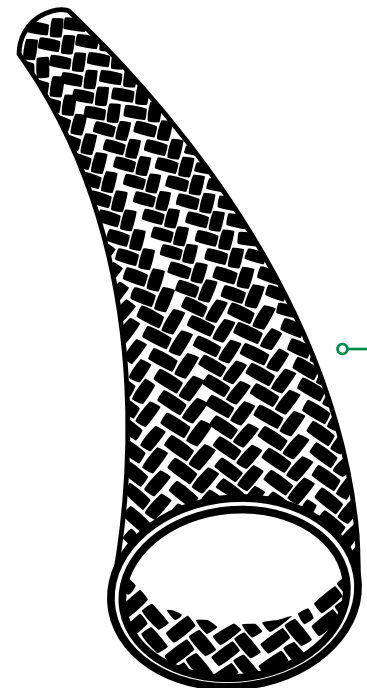
Colors Available:
Natural (NT)

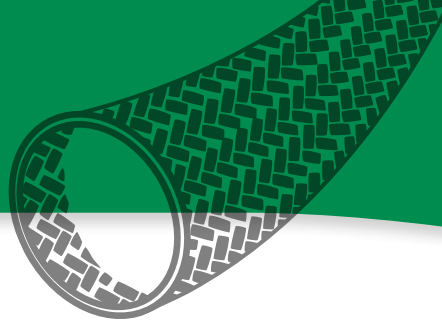


Cut Cleanly
Flexo Aramid Shears

Material	Kevlar® Aramid Fibers
Grade	VEN
Wall Thickness	.025"

Vectran's molecular structure not only makes it one of the world's strongest materials but Vectran is also invisible in MRI systems.





ABRASION

Abrasion Resistance
High

Abrasion Test Machine
Taber 5150

Abrasion Test Wheel
Calibrase H-18

Abrasion Test Load
500g

CHEMICAL RESISTANCE

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

Aromatic Solvents _____
Aliphatic Solvents _____
Chlorinated Solvents _____ 1
Weak Bases _____
Salts _____
Strong Bases _____
Salt Water 0-S-1926 _____ 1
Hydraulic Fluid MIL-H-5606 _____ 1
Lube Oil MIL-L-7808 _____ 1
De-Icing Fluid MIL-A-8243 _____
Strong Acids _____
Strong Oxidants _____
Esters/Keytones _____
UV Light _____
Petroleum _____ 1
Fungus ASTM G-21 _____
Halogen Free _____
RoHS _____
SVHC _____

PHYSICAL PROPERTIES

Monofilament Diameter _____ NA
ASTM D-204
Flammability Rating _____
Self-Extinguishing _____
Cutting _____ Flexo Aramid Shears
Colors _____ 1
Wall Thickness _____ .025
Tensile Strength (Yarn) _____ 20
ASTM D-2256 Lbs
Specific Gravity ASTM D-792 _____ 1.4
Moisture Absorption _____ <.005
% ASTM D-570
Hard Vacuum Data _____
ASTM E-595 at 10-5 torr
TML _____ .21
CVCM _____ .00
WVR _____ .00
Smoke D-Max _____
ASTM E-662
Outgassing _____ Med
Oxygen Index _____ >30
ASTM D-2863