VECTRAN

vectran

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

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Nominal	Part	Expansio	n Range	Wall	Bulk	Shop	Available	Lbs/
Size	#	Min	Max	Thickness	Spool	Spool	Colors	100′
1/8"	VEN0.13NT	7/64"	9/64"	0.025"	500′	100′	Natural	0.36
1/4"	VEN0.25NT	13/64"	19/64"	0.025"	500′	100′	Natural	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:



Material

Liquid Crystal Polymer

Cut Cleanly

Kevlar Shears

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.



VECTRAN





Abrasion Resistance **High**

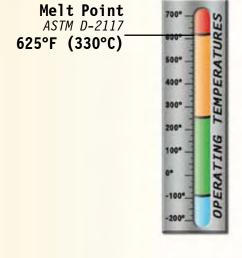
Abrasion Test Machine **Taber 5150**

Abrasion Test Wheel Calibrase H-18

Abrasion Test Load **500**q



Rating_____Self Extinguishing



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Chemical Resistance

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

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/Keytones	
UV Light	
Petroleum	
Fungus ASTM G-21	
Halogen Free	
RoHS	
SVHC	

PROPERTIES

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

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Users should make their own evaluation to determine the suitability of these products for their unique and specific applications.