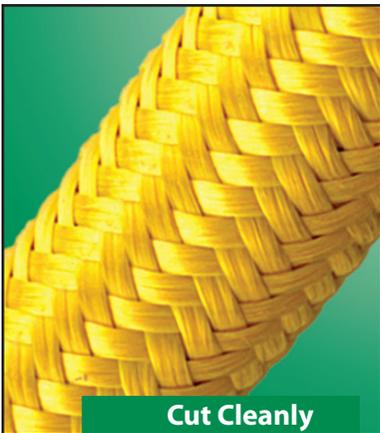




- Up To 20 Times Stronger Than Steel
- Will Not Melt, Burn Or Support Combustion
- Stays Soft, Flexible And Pliable Throughout -274°F to 320°F

Put-Ups

Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/100'
		Min	Max				
1/4"	KVN0.25YL	1/8"	5/16"	500'	50'	Yellow (YL)	0.30
1/2"	KVN0.50YL	1/4"	5/8"	250'	50'	Yellow (YL)	0.80
3/4"	KVN0.75YL	1/2"	7/8"	250'	50'	Yellow (YL)	1.20
1"	KVN1.00YL	3/4"	1 1/4"	200'	25'	Yellow (YL)	1.92
1 1/4"	KVN1.25YL	1"	1 5/8"	125'	25'	Yellow (YL)	2.40
1 1/2"	KVN1.50YL	1 1/4"	2"	100'	25'	Yellow (YL)	2.90
2"	KVN2.00YL	1 3/4"	2 1/2"	100'	25'	Yellow (YL)	3.60



Cut Cleanly  
Flexo Aramid Shears

Material

\*Kevlar® Aramid Fibers

Grade

KVN

Wall Thickness

.020"

Drawing Number

TF001KV-WD

Stronger Than Steel, Soft And Pliable

FLEXO ARAMID (FA) is a soft, flexible sleeving that's perfect for bundling and protecting vulnerable components from the most extreme environmental conditions. Flexo Aramid is braided from aramid fibers and has all well-known characteristics of durability, pliability and extraordinary tensile strength. Flexo Aramid fibers are up to 20 times stronger than steel fibers of equal diameter.

Flexo Aramid has excellent thermal stability, permitting long-term, continuous use at temperatures as low as -274°F and as high as 320°F. Short term exposure up to 572°F can be tolerated. Flexo Aramid does not melt or support combustion. The sleeving provides extreme strength and durability, yet is lightweight and easy to install.

Colors Available:  
Yellow (YL)



The properties that make Flexo Aramid so tough in use also make the material a challenge to cut to length. Use Flexo Aramid shears for cutting.

NEW- Ask about our high speed cutting service. Cuts Flexo Aramid to precise, repeatable lengths!

\*Kevlar® is a registered trademark of DuPont™.



## ABRASION

**Abrasion Resistance**  
Medium

**Abrasion Test Machine**  
Taber 5150

**Abrasion Test Wheel**  
Calibrase H-18

**Abrasion Test Load**  
500g

**Room Temperature**  
80°F

**Humidity**  
70%

**Scuffing And Pulling  
Of Soft Fibers**  
20 Test Cycles

**Scuffing And Pulling  
Of Fibers Continues**  
400 Test Cycles

**Material Destroyed**  
700 Test Cycles

**Pre-Test Weight**  
5,730.5 mg

**Post-Test Weight**  
5,200.1 mg

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

## CHEMICAL RESISTANCE

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

Aromatic Solvents _____	2
Aliphatic Solvents _____	2
Chlorinated Solvents _____	2
Weak Bases _____	1
Salts _____	1
Strong Bases _____	2
Salt Water 0-S-1926 _____	1
Hydraulic Fluid MIL-H-5606 _____	1
Lube Oil MIL-L-7808 _____	1
De-Icing Fluid MIL-A-8243 _____	1
Strong Acids _____	2
Strong Oxidants _____	2
Esters/Ketones _____	1
UV Light _____	4
Petroleum _____	1
Fungus ASTM G-21 _____	2
Halogen Free _____	Yes
RoHS _____	
SVHC _____	

**Melt Point**  
572°F (300°C)

**Maximum Continuous**  
*Mil-I-23053*  
320°F (160°C)

**Minimum Continuous**  
-274°F (-170°C)



## PHYSICAL PROPERTIES

Monofilament Diameter _____	NA
<i>ASTM D-204</i>	
Flammability Rating _____	
<i>FMVSS-302 Approved</i>	
Cutting _____	Flexo Aramid Shears
Colors _____	1
Wall Thickness _____	.02"
Tensile Strength (Yarn) _____	39
<i>ASTM D-2256 Lbs</i>	
Specific Gravity ASTM D-792 _____	1.44
Moisture Absorption% _____	
<i>ASTM D-570</i>	
Hard Vacuum Data _____	
<i>ASTM E-595 at 10-5 torr</i>	
TML _____	3.13
CVCM _____	.19
WVR _____	1.76
Smoke D-Max _____	
<i>ASTM E-662</i>	
Outgassing _____	High
Oxygen Index _____	29
<i>ASTM D-2863</i>	

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