- 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

Nominal Size	Part #	Expansion Range		Bulk	Shop	Available	Lbs/
		Min	Μαχ	Spool	Spool	Colors	100′
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

- Put-Ups —



## Material

\*Kevlar<sup>®</sup> 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.

## 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!

-0

\*Kevlar<sup>®</sup> is a registered trademark of DuPont<sup>™</sup>.





**Colors Available:** 

Yellow (YL)





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



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

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

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

Minimum Continuous -274°F (-170°C)<sup>—</sup> OPERATING TEMPERATURES

www.techflex.com

7000

600

5009

400°

3009

200°

1009

-200%

4000-

## **O** PHYSICAL PROPERTIES

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

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