

- 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 #	Expai Min	nsion Range Max	Bulk Spool	Shop Spool	Available Colors	Lbs/ 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® 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! Colors Available:
Yellow (YL)











Abrasion Resistance Medium

Abrasion Test Machine
Taber 5150

Abrasion Test Wheel
Calibrase H-18

Abrasion Test Load
500a

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



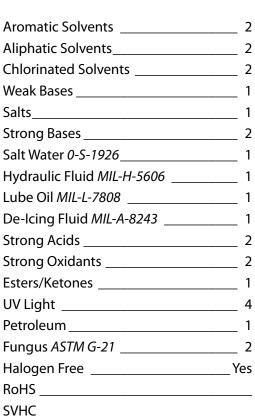
1=No Effect

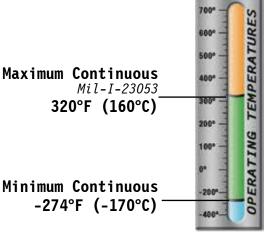
4=More Affected

2=Little Effect

5=Severely Affected

3=Affected





# PHYSICAL PROPERTIES

ASTM D-204
Flammability Rating FMVSS-302 Approved
CuttingFlexo Aramid Shears
Colors1
Wall Thickness02
Tensile Strength (Yarn)39 ASTM D-2256 Lbs
Specific Gravity ASTM D-792 1.44
Moisture Absorption%
Hard Vacuum Data ASTM E-595 at 10-5 torr
TML3.13
CVCM19
WVR 1.76
Smoke D-Max
OutgassingHigh
Oxygen Index29 ASTM D-2863