



- High Cut Resistance
- Will Not Melt, Burn Or Support Combustion
- Light Weight
- Resists Acids, Bases, Solvents, and Fuels
- High Tensile Strength

Put-Ups

Nominal Size	Part #	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/100'
		Min	Max				
1/8"	KVX0.13BK	1/8"	1/4"	500'	100'	Black BK	1.02
1/4"	KVX0.25	1/4"	3/8"	500'	50'	BK & YL	1.69
1/2"	KVX0.50	1/2"	1"	250'	50'	BK & YL	3.22
1"	KVX1.00	1"	1 3/4"	200'	25'	BK & YL	4.76
1 1/4"	KVX1.25	1 1/4"	2"	125'	25'	BK & YL	5.88



Cut Cleanly
Flexo Aramid Shears

Soft, Lightweight, and Extraordinarily Strong

Extra heavy duty, tightly woven Aramid Armor is braided from aramid fibers, soft and pliable but with 5 times strength of steel on equal-weight basis. Aramid Armor is perfect for bundling and protecting vulnerable components from the most extreme environmental conditions. The aramid fibers provide durability, pliability and extraordinary tensile strength.

It will not melt, burn or support combustion. The inherent strength and heat resistance of Aramid Armor provides performance that can not be worn or aged away. Typical uses include aerospace, marine, and automotive industry applications.

Aramid Armor sleeving is available in Yellow. Colors Available:



Yellow (YL) and Black (BK).

Colors Available:
Black (BK)
& Yellow (YL)

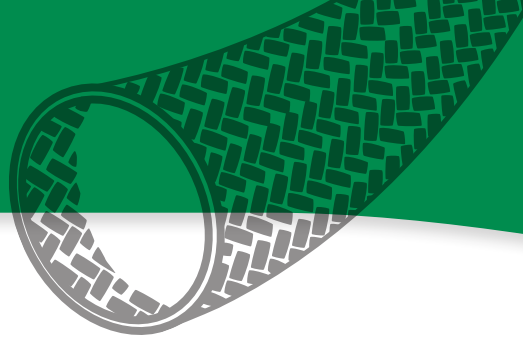


Whenever your sleeving needs superior cut protection, the cut and fire resistant properties of Aramid Armor will fill that need.

*Kevlar® is a registered trademark of DuPont™.

Material	*Kevlar® Aramid Fibers
Grade	KVX
Wall Thickness	0.052"
Drawing Number	TF001KV-WD





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

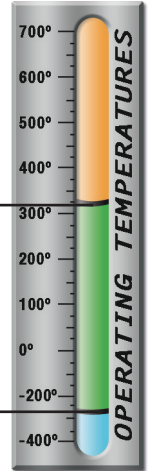
CHEMICAL RESISTANCE

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 _____	2
UV Light _____	4
Petroleum _____	1
Fungus ASTM G-21 _____	2
Halogen Free _____	Yes
RoHS _____	Yes

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>	
Cutting _____	Flexo Aramid Shears
Colors _____	2
Wall Thickness _____	0.052
Tensile Strength (Yarn) _____	39
<i>ASTM D-2256 Lbs</i>	
Specific Gravity <i>ASTM D-792</i> _____	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 _____	.76
Smoke D-Max _____	
<i>ASTM E-662</i>	
Outgassing _____	High
Oxygen Index _____	29
<i>ASTM D-2863</i>	