



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



Cut Cleanly
Flexo Aramid Shears

Material
Kevlar® Aramid Fibers

Grade
KVX

Wall Thickness

Drawing Number
TF001KV-WD

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

Put-Ups

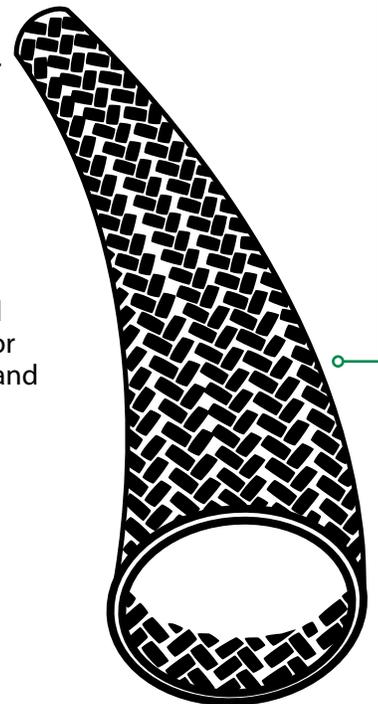
Soft, Lightweight, and Extraordinarily Strong

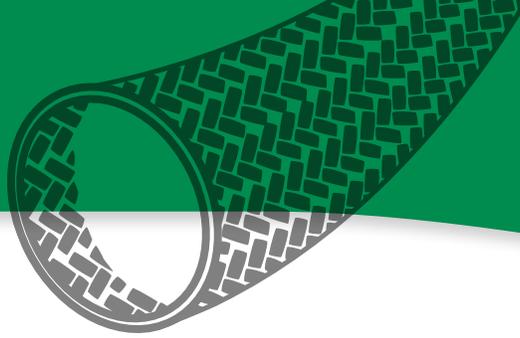
Extra heavy duty, tightly woven Aramid Armor is braided from aramid fibers, soft and pliable but with 5 times strength of steel on equal-weight basis. Aramid Armor is perfect for bundling and protecting vulnerable components from the most extreme environmental conditions. The aramid fibers provide durability,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

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

Colors Available:
Yellow (YL)





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

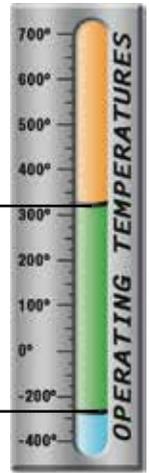
CHEMICAL RESISTANCE

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 0-5-1926 _____	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
ASTM D-204	
Cutting _____	Flexo Aramid Shears
Colors _____	1
Wall Thickness _____	
Tensile Strength (Yarn) _____	39
ASTM D-2256 Lbs	
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 _____	.76
Smoke D-Max _____	
ASTM E-662	
Outgassing _____	High
Oxygen Index _____	29
ASTM D-2863	

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