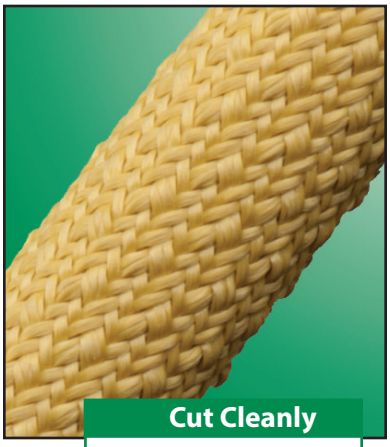
ADVANCED ENGINEERING
Technical Data Sheet

- 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	Kgs/ 100m
		Min	Max				
3,3mm	KVX0.13BK	3,3mm	6,4mm	152,4m	30,5m	Black BK	1,52
6,4mm	KVX0.25	6,4mm	9,5mm	152,4m	15,2m	BK & YL	2,51
12,7mm	KVX0.50	12,7mm	25,4mm	76,2m	15,2m	BK & YL	4,79
25,4mm	KVX1.00	25,4mm	31,8mm	61,0m	7,6m	BK & YL	7,08
31,8mm	KVX1.25	31,8mm	50,8mm	38,1m	7,6m	BK & YL	8,75



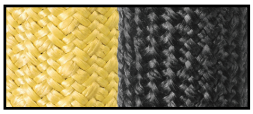
Cut Cleanly
Flexo Aramid Shears

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.

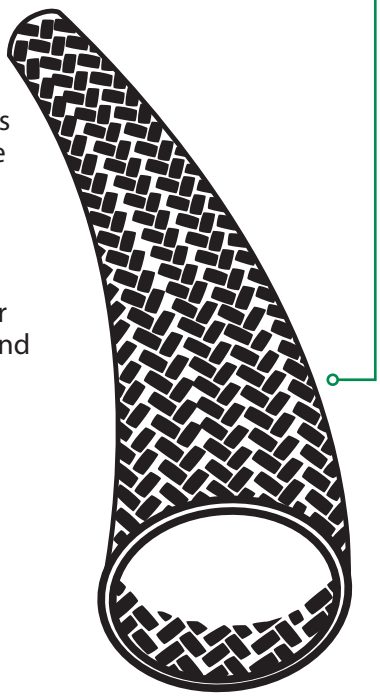
It will not melt, burn or support combustion. The inherent strength and heat resistance of Aramid Armor provides performance that can not be worn or aged away. Typical uses include aerospace, marine, and automotive industry applications.
Aramid Armor sleeving is available in Yellow.

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.

Material
*Kevlar® Aramid Fibers

Grade
KVX

Wall Thickness
1,32mm

Drawing Number
TF001KV-WD

*Kevlar® is a registered trademark of DuPont™

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RoHS Compliant

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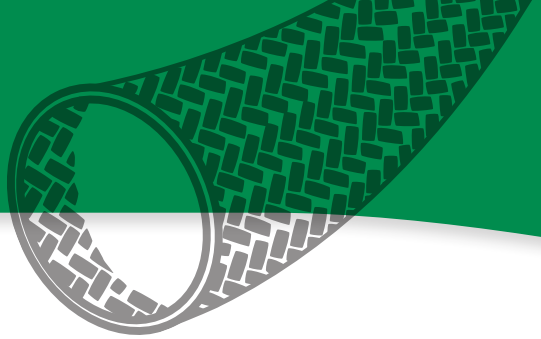


ARAMID ARMOR™

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

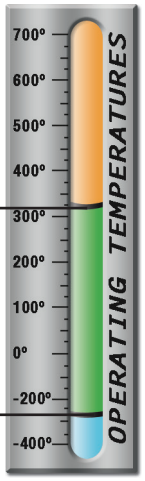
Scuffing And Pulling Of Fibers Continues
400 Test Cycles

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



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

Minimum Continuous
-274°F (-170°C)

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CHEMICAL RESISTANCE

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	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

PHYSICAL PROPERTIES

Monofilament Diameter *ASTM D-204*	NA
Cutting	Flexo Aramid Shears
Colors	2
Wall Thickness	1,32mm
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	.76
Smoke D-Max *ASTM E-662*	
Outgassing	High
Oxygen Index *ASTM D-2863*	29