



ARAMID ARMOR®

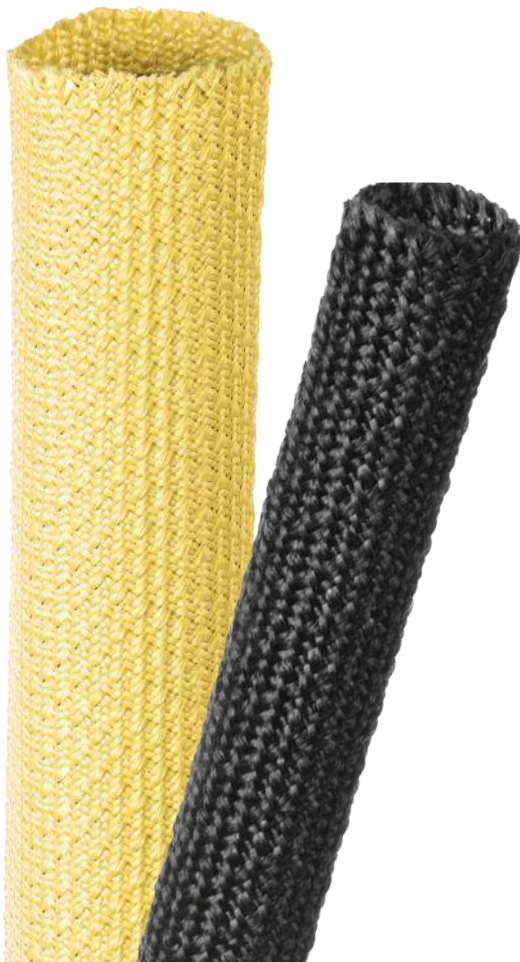
SOFT, LIGHTWEIGHT, & EXTRAORDINARILY STRONG SUPERIOR CUT PROTECTION · WILL NOT MELT, BURN, OR SUPPORT COMBUSTION

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.

SIZING CHART

Nominal Size	Part #	Min Expansion	Max Expansion	*Put-Ups		Available Colors	Lbs/100'
				M	L		
1/8"	KVX0.13BK	1/8"	1/4"	500'	500'	1	1.02
1/4"	KVX0.25	1/4"	3/8"	500'	500'	2	1.69
1/2"	KVX0.50	1/2"	1"	250'	250'	2	3.22
1"	KVX1.00	1"	1 3/4"	200'	200'	2	4.76
1 1/4"	KVX1.25	1 1/4"	2"	125'	125'	2	5.88

*Put-Ups: "M" = Shop Spool and "L" = Bulk Spool



FEATURES

Material	*Kevlar® Aramid Fibers
Grade	KVX
Wall Thickness	.052"
Drawing Number	TF001KVX-WD
Cutting	Flexo® Aramid Shears

COLORS



Black (BK), Yellow (YL)

CERTIFICATIONS



*Kevlar® is a registered trademark of DuPont™.



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 & Pulling Of Soft Fibers	20 Test Cycles
Scuffing & 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

PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	NA
Flammability Rating	
Recommended Cutting	Flexo® Aramid Shears
Colors	2
Wall Thickness	.052"
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

FLAMMABILITY

Rating	
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OPERATING TEMPERATURES

Decomposition	>572°F / >300°C
Maximum Continuous	320°F / 160°C
Minimum Continuous	-274°F / -170°C

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
SVHC	