

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 cannot be worn or aged away. Typical uses include aerospace, marine, and automotive industry applications.



Physical Properties		Hard Vacuum Data (ASTM E-595 at 10-5 torr)	
Monofilament Thickness (ASTM D-204)		TML	3.13
Flammability Rating		CVCM	.19
Recommended Cutting	Kevlar Shears	WVR	1.76
Colors	1	Smoke D-Max (ASTM E-662)	
Wall Thickness		Outgassing	High
Tensile Strength - Yarn (ASTM D-2265) lbs.	39	Oxygen Index (ASTM D-2863)	29
Abrasion Resistance	Medium	Operating Temperatures	
Specific Gravity	1.44	Minimum Continuous	-274°F/-170°C
Moisture Absorption % (ASTM D-570)		Maximum Continuous (MIL-I-23053)	320°F/160°C
		Melt (ASTM D-2117)	It will not melt
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
Strong Bases	2	Salt Water (O-S-1926)	1
Hydraulic Fluid (MIL-H-5606)	1	Lubricating Oil (MIL-A-8243)	1
De-Icing Fluid (MIL-A-8243)	1	Strong Acids	2
Strong Oxidants	2	Esters/Keytones	2
UV Light	4	Petroleum	1
Fungus (ASTM G-21)	2	Salts	1
Halogen Free	Yes	UL/CSA	No

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