

**Withstands High Temps. and Abrasion
2 to 1 Ratio
Semi-Rigid Polyvinylidene Fluoride**



	Specification Reference
UL	● UL 224, 150°C, 600V,
VW-1	● VW-1 File E75077 YDTU2, CAT.NO Sumitube K
CSA	○
MIL Spec	● AMS-DTL-23053/8C

Replaces	
Raychem	Kyna™ (RT-850)
3M/ECC	Kynar™
Alpha	FIT-350

Description	K is a highly flame-retardant tubing that is tough and abrasion resistant in mechanical environments. It has excellent properties for cut through and solvent resistance.
Uses	K is recommended for applications for strain relieving components such as soldered connections and splices which are in high continuous operating temp. environments. The material is good for applications where abrasion resistance is important.
Operating Temp	-55°C, to +175°C
Shrink Temp	175°C
Standard Put-up	Bag 4 foot lengths, packaged in plastic bags.

	Property (units)	Test Method	Requirements
Physical	Tensile Strength (psi)	ASTM D638	5000 MIN
	Elongation (%)	ASTM D638	150 MIN.
	Specific gravity	ASTM D792	1.8 MAX.
	Low temp. flex (-55C)	AMS-DTL-23053	No Cracking
	Heat shock (300°C, 4 Hrs.)	AMS-DTL-23053	No Cracking
	Heat resistance (250°C, 168 Hrs.) Elongation (%)	ASTM D638	100 MIN.
	Secant modulus (psi)	ASTM D882	100,000 MIN.
	Deformation (150°C, 1 hr)(%)	UL 224	50 MAX
	Longitudinal change (%)	AMS-DTL-23053	±10
Electrical	Dielectric strength (volts/mil)	ASTM D876	800 MIN.
	Volume resistivity (ohm-cm)	ASTM D876	1.0 x 10 ¹³ MIN
Chemical	Copper mirror stability (180°C, 168 Hrs.) Elongation (%)	UL 224	70% of unaged value min
	Water absorption (%)	ASTM D570	0.5 MAX.
	Fluid resistance (23°C, 24 Hrs.) Tensile strength (psi)	AMS-DTL-23053	5000 MIN.
	Flammability	UL 224 VW-1	Pass
	Shrink Temperature (nominal)		170°C

Wholesale Pricing on Full Spools/Bags

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K

Part #

Inside Diameter Before Shrinking (minimum)		Inside Diameter After Shrinking (maximum)	Post Shrink Wall Thickness	Full Bag Length	Price:	Color Selection											
						per bag	per foot	BK	BR	RD	OR	YL	GN	BL	VI	GY	WH
mm	inches	mm (inches)	mm (inches)	in feet		black	brown	red	orange	yellow	green	blue	violet	gray	white	clear	
1.2	3/64 0.0469	0.5842 (0.023)	0.254 (0.010)	500	\$522.75 \$1.23	●	●	●	●	●	●	●	●	●	●	●	
1.6	1/16 0.0625	0.7874 (0.031)	0.254 (0.010)	500	\$535.50 \$1.26	●	●	●	●	●	●	●	●	●	●	●	
2.4	3/32 0.0938	1.1684 (0.046)	0.254 (0.010)	500	\$565.25 \$1.33	●	●	●	●	●	●	●	●	●	●	●	
3.2	1/8 0.125	1.5748 (0.062)	0.254 (0.010)	500	\$607.75 \$1.43	●	●	●	●	●	●	●	●	●	●	●	
4.8	3/16 0.1875	2.3622 (0.093)	0.254 (0.010)	200	\$396.10 \$2.33	●	●	●	●	●	●	●	●	●	●	●	
6.4	1/4 0.250	3.175 (0.125)	0.3048 (0.012)	200	\$493.00 \$2.90	●	●	●	●	●	●	●	●	●	●	●	
9.5	3/8 0.375	4.7498 (0.187)	0.3048 (0.012)	200	\$549.10 \$3.23	●	●	●	●	●	●	●	●	●	●	●	
12.7	1/2 0.500	6.350 (0.250)	0.3048 (0.012)	100	\$388.45 \$4.57	●	●	●	●	●	●	●	●	●	●	●	
15.9	5/8 0.625	7.9375 (0.3125)	0.4318 (0.017)	100	\$451.35 \$5.31	●	●	●	●	●	●	●	●	●	●	●	
19.1	3/4 0.750	9.525 (0.375)	0.4318 (0.017)	100	\$714.00 \$8.40	●	●	●	●	●	●	●	●	●	●	●	
25.4	1 1.000	12.700 (0.500)	0.4826 (0.019)	60	\$841.50 \$16.50	●	●	●	●	●	●	●	●	●	●	●	
38.1	1-1/2 1.500	19.050 (0.750)	0.508 (0.020)	40	\$742.56 \$21.84	●	●	●	●	●	●	●	●	●	●	●	
50.8	2 2.000	25.400 (1.000)	0.508 (0.020)	40	\$1,136.96 \$33.44	●	●	●	●	●	●	●	●	●	●	●	

NOTE: Some types of heat shrink, for instance semi-rigid and dual wall types are manufactured in 4 foot lengths. The rigid and semi-rigid ones do not bend without kinking, the adhesives in dual walls tend to stick or block shut when spooled.

4 foot lengths, packaged in plastic bags.

				
Lead Time: 1 day	Lead Time: up to 50 days	Lead Time: up to 100 days	Lead Time: up to 200 days	Not Possible

The above lead time guidelines are estimated only. They may be longer (not usually) or they may be shorter (typically). Regarding products with 100 & 200 day lead time; pricing may vary, and a minimum order with deposit may be required. Oh... and by the way, everything can change without notice and/or liability.