

**Withstands High Temps. and Abrasion
2 to 1 Ratio
Flexible Polyvinylidene Fluoride**



	Specification Reference
UL	● UL-224 150°C, 600V
VW-1	● VW-1 File E-70631 YDQS2, Cat. No.Sumitube K2
CSA	○
MIL Spec	● AMS-DTL-23053/18B, Class 1

Replaces
No Equivalent Available

Description	K2 is a tough and abrasion resistant in mechanical environments and has excellent properties for cut through and solvents.
Uses	K2 is recommended for applications where the properties of standard Kynar™ are desirable, but with the added benefits of flexibility, greater clarity, reduced shrink temperature and long continuous lengths.
Operating Temp	-55°C, to +175°C
Shrink Temp	150°C
Standard Put-up	Spool

	Property (units)	Test Method	Requirements
Physical	Tensile Strength (psi)	ASTM D638	3500 MIN.
	Elongation (%)	ASTM D638	200 MIN.
	Specific gravity	ASTM D792	2.0 MAX.
	Low temp. flex (-55C)	AMS-DTL-23053	No Cracking
	Heat shock (275°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
Volume resistivity (ohm-cm)		ASTM D876	1.0 x 10 ¹¹ MIN
Chemical	Copper 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	2000 MIN.
	Flammability	UL 224 VW-1	Pass
	Shrink Temperature (nominal)		150°C
	Vacuum Outgassing TML%	ASTM E595	1.0 MAX.
Vacuum Outgassing CVCM%	ASTM E595	0.1 MAX.	

Wholesale Pricing on Full Spools/Bags

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K2

Part #

Inside Diameter Before Shrinking (minimum)		Inside Diameter After Shrinking (maximum)	Post Shrink Wall Thickness	Full Spool Length	Price:	Color Selection											
						per spool	BK	BR	RD	OR	YL	GN	BL	VI	GY	WH	CL
mm	inches	mm (inches)	mm (inches)	in feet	per foot	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)	1000	\$1,156.00 \$1.36	●	●	●	●	●	●	●	●	●	●	●	
1.6	1/16 0.0625	0.7874 (0.031)	0.254 (0.010)	1000	\$1,181.50 \$1.39	●	●	●	●	●	●	●	●	●	●	●	
2.4	3/32 0.0938	1.1684 (0.046)	0.254 (0.010)	500	\$620.50 \$1.46	●	●	●	●	●	●	●	●	●	●	●	
3.2	1/8 0.125	1.5748 (0.062)	0.254 (0.010)	500	\$667.25 \$1.57	●	●	●	●	●	●	●	●	●	●	●	
4.8	3/16 0.1875	2.3622 (0.093)	0.254 (0.010)	200	\$435.20 \$2.56	●	●	●	●	●	●	●	●	●	●	●	
6.4	1/4 0.250	3.175 (0.125)	0.3048 (0.012)	200	\$542.30 \$3.19	●	●	●	●	●	●	●	●	●	●	●	
9.5	3/8 0.375	4.7498 (0.187)	0.3048 (0.012)	200	\$605.20 \$3.56	●	●	●	●	●	●	●	●	●	●	●	
12.7	1/2 0.500	6.350 (0.250)	0.3048 (0.012)	200	\$855.10 \$5.03	●	●	●	●	●	●	●	●	●	●	●	
15.9	5/8 0.625	7.9375 (0.3125)	0.4318 (0.017)	200	\$992.80 \$5.84	●	●	●	●	●	●	●	●	●	●	●	
19.1	3/4 0.750	9.525 (0.375)	0.4318 (0.017)	200	\$1,570.80 \$9.24	●	●	●	●	●	●	●	●	●	●	●	
25.4	1 1.000	12.700 (0.500)	0.4826 (0.019)	200	\$3,085.50 \$18.15	●	●	●	●	●	●	●	●	●	●	●	
38.1	1-1/2 1.500	19.050 (0.750)	0.508 (0.020)	200	\$4,085.10 \$24.03	●	●	●	●	●	●	●	●	●	●	●	
50.8	2 2.000	25.400 (1.000)	0.508 (0.02)	200	\$5,695.00 \$33.50	●	●	●	●	●	●	●	●	●	●	●	

				
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.