

Part # K3

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



	Specification Reference
UL	● UL-224 150°C, 600V
VW-1	● VW-1 File E-70631 YDQS2
CSA	○
MIL Spec	● AMS-DTL-23053/18B, Class 3

Replaces
3M/ECC THV-150

Description	K3 is tough and abrasion resistant in mechanical environments. It also has excellent resistance to solvents.
Uses	K3 is recommended for applications where requiring clarity, flexibility and low shrink temperature, combined with the excellent fluid resistant capabilities of fluoropolymers.
Operating Temp	-55°C, to +150°C
Shrink Temp	90°C
Standard Put-up	Spool

	Property (units)	Test Method	Requirements
Physical	Tensile Strength (psi)	ASTM D638	1500 MIN.
	Elongation (%)	ASTM D638	200 MIN.
	Specific gravity	ASTM D792	1.9 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	2.5 X 10 ⁴ MAX
	Longitudinal change (%)	AMS-DTL-23053	±10
Electrical	Dielectric strength (volts/mil)	ASTM D876	500 MIN.
	Volume resistivity (ohm-cm)	ASTM D876	1.0 x 10 ¹² 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	1000 MIN.
	Flammability	UL 224 VW-1	Pass
	Shrink Temperature (nominal)		90°C

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Wholesale Pricing on Full Spools/Bags

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Inside Diameter Before Shrinking (minimum)		Inside Diameter After Shrinking (maximum)	Post Shrink Wall Thickness	Full Spool Length	Price:	Color Selection												
mm	inches					mm (inches)	mm (inches)	in feet	per spool	per foot	BK	BR	RD	OR	YL	GN	BL	VI
								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	\$1,538.50 \$1.81													
1.6	1/16 0.0625	0.7874 (0.031)	0.254 (0.010)	1000	\$1,581.00 \$1.86													
2.4	3/32 0.0938	1.1684 (0.046)	0.254 (0.010)	500	\$833.00 \$1.96													
3.2	1/8 0.125	1.5748 (0.062)	0.254 (0.010)	500	\$892.50 \$2.10													
4.8	3/16 0.1875	2.3622 (0.093)	0.254 (0.010)	200	\$583.10 \$3.43													
6.4	1/4 0.250	3.175 (0.125)	0.254 (0.010)	200	\$725.90 \$4.27													
9.5	3/8 0.375	4.7498 (0.187)	0.3048 (0.012)	200	\$809.20 \$4.76													
12.7	1/2 0.500	6.350 (0.250)	0.3048 (0.012)	200	\$1,144.10 \$6.73													
19.1	3/4 0.750	9.525 (0.375)	0.4318 (0.017)	200	\$1,433.10 \$8.43													
25.4	1 1.000	12.700 (0.500)	0.4826 (0.019)	200	\$4,131.00 \$24.30													

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.