

KOSOO Kynar

High-temperature, semi-rigid, chemical-resistant fluoropolymer tubing

■ Application

KOSOO Kynar has outstanding abrasion resistance, cut-through resistance, chemical and solvent resistance and high-temperature performance. It is especially suitable for applications requiring high-temperature performance. It is also used for insulation and strain relief of soldered joints, identification and inspection of covered components.

■ Features/Benefits

- Shrink ratio: 2:1.
- Tough, semi-rigid, thin-wall insulation.
- High flame-resistance; high-temperature performance.
- Outstanding chemical and solvent resistance.
- Conform to European RoHS (2002/95/EC) environmental directive.

■ Operating Temperature Range

- Operating temperature range: -55°C~175°C
- Minimum shrink temperature: 155°C
- Minimum full recovery temperature: 175°C

■ Specifications/Standards

UL224 150°C 600V VW-1

AMS-DTL-23053/8



■ Specification values

	Property	Requirement	Test method	Typical value
Physical:	Tensile strength	34.5MPa min.	ASTM D 638	≥35MPa
	Elongation	150% min.	ASTM D 638	≥200%
	Heat shock	No cracking, dripping or flowing	ASTM D 2671	Pass
	Low temperature flexibility	No cracking	ASTM D 2671	Pass
	Aging 250°C,168hrs			
	Elongation after aging	50%	ASTM D 638	≥50%
Electrical:	Dielectric voltage withstand	2500V, 60sec, no breakdown	ASTM D 2671	Pass
	Volume resistivity	10 ¹³ Ω·cm min.	ASTM D 876	≥10 ¹³ Ω·cm
Chemical:	Corrosion	No corrosion	ASTM D 2671	Pass
	Flammability	VW-1	UL224	Pass

■ Product

mm/inch				
Size	Inside diameter		Wall thickness	Standard length
	As supplied (min.)	After recovery (max.)	After recovery	
3/64	1.2 (0.046)	0.6 (0.023)	0.25±0.05 (0.010±0.002)	1.2
1/16	1.6 (0.063)	0.8 (0.031)	0.25±0.05 (0.010±0.002)	1.2
3/32	2.4 (0.093)	1.2 (0.046)	0.25±0.05 (0.010±0.002)	1.2
1/8	3.2 (0.125)	1.6 (0.063)	0.25±0.05 (0.010±0.002)	1.2
3/16	4.8 (0.187)	2.4 (0.093)	0.25±0.05 (0.010±0.002)	1.2
1/4	6.4 (0.250)	3.2 (0.125)	0.30±0.08 (0.012±0.003)	1.2
3/8	9.5 (0.375)	4.8 (0.187)	0.30±0.08 (0.012±0.003)	1.2
1/2	12.7 (0.500)	6.4 (0.250)	0.30±0.08 (0.012±0.003)	1.2
3/4	19.1 (0.750)	9.5 (0.375)	0.43±0.08 (0.017±0.003)	1.2
1	25.4 (1.000)	12.7 (0.500)	0.48±0.08 (0.019±0.003)	1.2
1 1/2	38.1 (1.500)	19.1 (0.750)	0.51±0.08 (0.020±0.003)	1.2
2	50.8 (2.000)	25.4 (1.000)	0.58±0.08 (0.023±0.003)	1.2

■ Ordering information

Color

Standard: clear (-CL)

Nonstandard colors can be available upon request.

Nonstandard size

Nonstandard sizes are available upon request.

Standard packaging

1.2m /length

Ordering description

Specify product type, size (mm or inch) and color.