

KYS Series Irradiated

Thin-Wall, Modified PVDF Heat Shrink Tubing

pro-POWER

RoHS
Compliant



Description:

The KYS series is an irradiated, Thin-Wall, Heat Shrinkable Tubing Fabricated from Modified Polyvinylidene Fluoride. Upon the Application of Heat in Excess of 175°C, The Tubing Shrinks to the Geometry of the Part to be Covered.

Typical Properties

Physical

Tensile Strength	: 5,500 PSI
Ultimate Elongation	: 350%
Longitudinal Change	: +1, -10%
Specific Gravity	: 1.7 g/cm ² Max.
Operating Temp	: -55°C ~ +175°C
Shrink Temp	: 175°C (347°F)
Low Temp. Flexibility (4 hrs @ -55°C)	: No Cracking
Shrinkage	: 2:1
Colour	: Clear

Electrical

Dielectric Strength	: 900 V/Mil
Volume Resistivity	: 10 ¹⁴ Ω-cm

Chemical

Corrosion Resistance	: Non-Corrosive
Fuel & Oil Resistance	: Excellent
Solvent Resistance	: Excellent
Abrasion Resistance	: Excellent
Acids & Alkalis Resistance	: Excellent

Shelf Life

10-year shelf life from date of manufacture when stored in a humidity controlled storage (10°C/50°F to 27°C/80°F and <75% relative humidity). **Note:** The date of manufacture is marked on the box and on the label.

MIL. Spec. Nos.

MIL-1-23053/8, AMS-3632
MIL-1-2305318, Class 1

www.element14.com
www.farnell.com
www.newark.com
www.cpc.co.uk

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Part Number Table

Description	Dimensions				Standard Packages					
	Size (Inch)	Expanded I.D. (Min.) (Inch)	Recovered I.D. (Max.) (Inch)	Recovered Nominal Wall Thickness (Inch)	4 Foot Lengths (+1, -0)			6 Inch Lengths ($\pm .125$)		
					Part Number	Qty	Total Footage (Feet)	Part Number	Qty	Total Footage (Feet)
General Purpose KYS Series PVDF Heat Shrink Tubing	3/64	0.046	0.023	0.01	KYS-003-4025-CLR	25	100	N/A	-	-
	1/16	0.063	0.031		KYS-004-4025-CLR			KYS-004-6028-CLR	28	14
	3/32	0.093	0.046		KYS-006-4025-CLR			KYS-006-6024-CLR	24	12
	1/8	0.125	0.062		KYS-008-4025-CLR			KYS-008-6020-CLR	20	10
	3/16	0.187	0.093		KYS-012-4025-CLR			KYS-012-6016-CLR	16	8
	1/4	0.25	0.125	0.012	KYS-016-4025-CLR	5	20	KYS-016-6012-CLR	12	6
	3/8	0.375	0.187		KYS-024-4025-CLR			KYS-024-6008-CLR	8	4
	1/2	0.5	0.25		KYS-032-4005-CLR			KYS-032-6004-CLR	4	2
	3/4	0.75	0.375		0.017			KYS-048-4005-CLR	KYS-048-6002-CLR	2

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