



HP-KY(150°C) PVDF Heat-Shrinkable Tubing
HP-KY(175°C) PVDF Heat-Shrinkable Tubing

HP-KY(150°C) is clear, thin wall, flexible, flame Retardant heat shrinkable tubing with excellent resistance. It is especially suitable for applications requiring abrasion and cut-through resistance, or superior chemical and solvent resistance properties. Provides electrical insulation and strain relief of Multipoint connectors and solder joints. Ideal for Applications that require dense packing of components or visual inspection of covered components.



Standard: UL224, SAE-AMS-DTL25053/8

HP-KY(175°C) is clear, thin-wall, semi-rigid, flame-retardant heat-shrinkable tubing with both high temperature and chemical resistance. Especially suitable for applications requiring high temperature performance, outstanding abrasion resistance and cut-through resistance, or superior chemical and solvent properties. Provides electrical insulation and strain relief of multipoint connectors and solder joints. HP-KY(175°C) Ideal for applications that require dense packing of components or visual inspection of covered components.

Standard: UL224, SAE-AMS-DTL25053/8



Specification

Property	Test Methods	HP-KY(150°C)	HP-KY(175°C)
Min. Shrink temperature		140°C	155°C
Operating temperature range	UL224	-55°C-150°C	-55°C-175°C
Longitudinal Change	ASTM D2671	-5%--+5%	-5%--+5%
Tensile Strength	ASTM D2671	30MPa	34.5MPa
Specific gravity	ASTM D792	1.78g/cm ³	1.78g/cm ³
Elongation at break	ASTM D2671	≥150%	≥150%
Tensile Strength after Aging	ASTM D2671	15MPa	15MPa
Elongation at break after Aging	ASTM D2671	≥100%	≥50%
Flammability	UL224	VW-1	VW-1
Volume Resistance	ASTM D257	≥1.0*10 ¹³ Ω.cm	≥1.0*10 ¹⁰ Ω.cm
Dielectric strength	ASTM D2671	≥15.7kv/mm	≥31.5kv/mm
Corrosion of bare copper	UL224, 180°C±1°C, 4hrs	No Corrosion	No Corrosion
Heat Shock	UL224, 275°C, 4hrs	No Cracking	No Cracking
Cold Bend	UL224, -55°C, 4hrs	No Cracking	No Cracking

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Size:

Type	Size	As supplied	After recovery	
	Inch	ID(MM)	ID(MM)	WT(MM)
HP-KY	3/64	≥ 1.2	≤ 0.6	0.25 ± 0.05
HP-KY	1/16	≥ 1.6	≤ 0.8	0.25 ± 0.05
HP-KY	3/32	≥ 2.4	≤ 1.2	0.25 ± 0.05
HP-KY	1/8	≥ 3.2	≤ 1.6	0.25 ± 0.05
HP-KY	3/16	≥ 4.8	≤ 2.4	0.25 ± 0.05
HP-KY	1/4	≥ 6.4	≤ 3.2	0.33 ± 0.05
HP-KY	3/8	≥ 9.5	≤ 4.8	0.33 ± 0.05
HP-KY	1/2	≥ 12.7	≤ 6.4	0.33 ± 0.05
HP-KY	3/4	≥ 19.1	≤ 9.5	0.43 ± 0.08
HP-KY	1	≥ 25.4	≤ 12.7	0.48 ± 0.08

Notes:

1. The standard color is clear, and black color is are available. For other colors such as red, blue are available as customer's requirements.

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