

CYG Authorized Distributor

CYG-KYNAR DATA SHEET

CYG-KYNAR PREMIUM SERIES HEAT-SHRINKABLE TUBING CLEAR PVDF (Polyvinylidene fluoride) TUBING

CYG-KYNAR is a clear, thin wall, flexible, flame-retardant heat shrink tubing with excellent chemical resistance. It is abrasion and cut-through resistant and has superior chemical and solvent resistance properties. Available in 150°C and 175°C versions. UL224, SAE-AMS-DTL25053/18



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CYG 长园

UL File No: E180908
TS 16949:200 • ISO 9001:2008
ISO 14001:2004 • EU RoHS REACH

Premium Series:
Advanced Processing, 100% Virgin Materials, Japanese or USA Additives, Highest Agency Ratings.

Economy Series:
Standard Processing. Includes Re-grind Material to % Allowed by Agency Ratings. Chinese Additives,



APPLICATIONS

In addition to superior chemical and flame resistance, Kynar provides excellent electrical insulation and strain relief of multipoint connectors and solder joints. Ideal for applications in harsh environments that require dense packing of components or visual inspection of protected connections and components.

Additional Tubing Products

Heat Shrink Tubing
CB-HFT Premium Series and RSFR Economy Series
Polyolefin Heat Shrink Tubing, 600V, 125°C, Halogen-Free, Flame Retardant,

Cross Linked Shrink Tubing
CB-1000 Premium Series and RSFR-1000 Economy Series
Flexible Polyolefin Shrink Tubing, 600V, 135°C, Halogen-Free, Flame Retardant.

Double Wall, Adhesive Lined
CB-DWT Premium Series and SBRS-G Economy Series
Adhesive Lined, Flexible Polyolefin Heat Shrink Tubing, 600V, 125°C, Flame Retard,

PTFE Non-Shrink Tube
CYG-TT Premium Series and CYG-ZZ Economy Series
PTFE, Non-Shrink Tubing, 600 Volts/Mil, 260°C Nonflammable, E-180908, UL224.

PTFE Shrink Tube
CYG-PTFE Premium Series and RSTFE Economy Series
PTFE, Shrink Tubing, 600 Volts/Mil, 260°C Nonflammable, E-180908, UL224.

Silicone Over Braided Fiberglass
CYG-CB-SGS Premium and ZZ-CB-SGS Economy Series
Flexible Silicone Tubing, 1500V, 2500V, 4000V, 7000V. Temperature rated at 200°C,

Clear PVDF (Polyvinylidene Fluoride)
CYG-KYNAR, 150°C & 175°C
PVDF Heat-shrinkable Tubing, 600V, 150°C, VW-1, Chemical Resistant,

Braided Heat Shrink Cloth Fiber
CYG-RSF, Heat Shrink Fiber Tubing
Flexible braided cloth fiber heat-shrinkable tubing, Outstanding mechanical abrasion protection.

2 to 1 Shrink Ratio Part Number	Before Shrink Min ID (mm)	After Shrink Max ID (mm)	Wall Thickness	Inch Equiv	Meters /Reel
CYG-KYNAR-150-60	≥1.20	≤0.60	0.25 ± 0.05	.047	200
CYG-KYNAR-150-80	≥1.60	≤0.80	0.25 ± 0.05	.062	200
CYG-KYNAR-150-1.20	≥2.40	≤1.20	0.25 ± 0.05	.094	200
CYG-KYNAR-150-1.60	≥3.20	≤1.60	0.25 ± 0.05	.125	200
CYG-KYNAR-150-2.40	≥4.80	≤2.40	0.25 ± 0.05	.187	100
CYG-KYNAR-150-3.20	≥6.40	≤3.20	0.33 ± 0.05	.250	100
CYG-KYNAR-150-4.80	≥9.50	≤4.80	0.33 ± 0.05	.375	100
CYG-KYNAR-150-6.40	≥12.70	≤6.40	0.33 ± 0.05	.500	100
CYG-KYNAR-150-9.50	≥19.10	≤9.50	0.43 ± 0.08	.750	50
CYG-KYNAR-150-12.7	≥25.40	≤12.70	0.48 ± 0.08	1.00	50
CYG-KYNAR-175-60	≥1.20	≤0.60	0.25 ± 0.05	.047	200
CYG-KYNAR-175-80	≥1.60	≤0.80	0.25 ± 0.05	.062	200
CYG-KYNAR-175-1.20	≥2.40	≤1.20	0.25 ± 0.05	.094	200
CYG-KYNAR-175-1.60	≥3.20	≤1.60	0.25 ± 0.05	.125	200
CYG-KYNAR-175-2.40	≥4.80	≤2.40	0.25 ± 0.05	.187	100
CYG-KYNAR-175-3.20	≥6.40	≤3.20	0.33 ± 0.05	.240	100
CYG-KYNAR-175-4.80	≥9.50	≤4.80	0.33 ± 0.05	.375	100
CYG-KYNAR-175-6.40	≥12.70	≤6.40	0.33 ± 0.05	.500	100
CYG-KYNAR-175-9.50	≥19.10	≤9.50	0.43 ± 0.08	.375	50
CYG-KYNAR-175-12.7	≥25.40	≤12.70	0.48 ± 0.08	1.00	50

Technical Information

Attribute	Test Method	150°C Specs	175°C
Min. Shrink temperature		140 °C	155 °C
Operating temperature range		-55 kC~150 °C	-55 °C~175 °C
Specific gravity	ASTM D792	1.78G/cm3	1.78g/cm3
Tensile strength	ASTM D2671	≥30MPa	≥34.5MPa
Elongation at break	ASTM D2671	≥ 150 %	≥150%
Elongation at break after aging	225 °C, 168	≥ 100 %	≥50%
Heat Shock	275 °C, 4hrs	No cracking	No cracking
Cold Bend	-55 °C, 4HRS	No cracking	No cracking
Dielectric strength	ASTM D2671	≥ 15.7kV/mm	≥31.5kV/mm
Volume resistance	ASTM D257	≥ 1.0 x 10	≥1.0 x 10
Flammability	UL224	VW-1	VW-1

