

CYG Authorized Distributor

ZZ-PTFE DATA SHEET

ZZ-PTFE PREMIUM SERIES HEAT-SHRINKABLE TUBING PTFE (Polytetrafluoroethylene, also trademarked by DuPont Co. as Teflon)

CYG PTFE shrink tubing features high temperature resistance, corrosion resistance, chemical resistance, flame retardant, excellent insulation and mechanical strength properties. Temperature stable up to 260°C. 600V/Mil. This product is UL listed under file number E180908. SAE-AMS-DTL-23053/12. Natural Color.



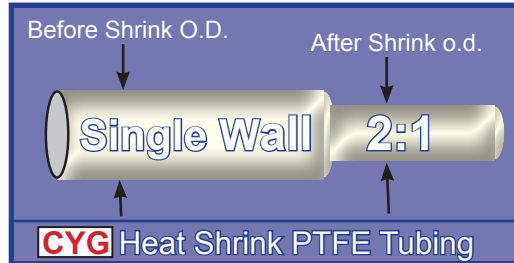
www.cyg.com

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

This tubing is often used in transformer applications to insulate lead wires and to protect from heat, abrasion and chemicals. Also used to cover hydraulic hoses and couplings to prevent contamination and corrosion. The high mechanical strength and extremely low coefficient of friction make it ideal for reducing damage to bearing shafts.

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						
Premium Series Part Number	Wire Gauge AWG	Before Shrink (mm) Min ID	After Shrink (mm) Max ID	Wall Thickness	Reel Meters	
ZZ-PTFE-30	AWG 30	≥ 0.80	≤ 0.38	0.23	305	
ZZ-PTFE-28	AWG 28	≥ 0.90	≤ 0.46	0.23	305	
ZZ-PTFE-26	AWG 26	≥ 1.10	≤ 0.53	0.25	305	
ZZ-PTFE-24	AWG 24	≥ 1.20	≤ 0.66	0.25	305	
ZZ-PTFE-22	AWG 22	≥ 1.40	≤ 0.81	0.30	305	
ZZ-PTFE-20	AWG 20	≥ 1.50	≤ 0.97	0.30	305	
ZZ-PTFE-18	AWG 18	≥ 1.90	≤ 1.17	0.30	305	
ZZ-PTFE-16	AWG 16	≥ 2.30	≤ 1.47	0.30	305	
ZZ-PTFE-14	AWG 14	≥ 3.00	≤ 1.83	0.30	153	
ZZ-PTFE-12	AWG 12	≥ 3.80	≤ 2.31	0.30	153	
ZZ-PTFE-10	AWG 10	≥ 4.80	≤ 2.84	0.30	100	
ZZ-PTFE-8	AWG 8	≥ 6.10	≤ 3.53	0.38	100	
ZZ-PTFE-6	AWG 6	≥ 7.60	≤ 4.41	0.38	50	
ZZ-PTFE-4	AWG 4	≥ 9.40	≤ 5.53	0.38	50	
ZZ-PTFE-2	AWG 2	≥ 10.90	≤ 6.93	0.3	50	

Technical Information		
Attribute	Test Method	Specifications
Specific Gravity	ASTM D792	2.16g/cm ³
Operating Temperature Range	UL224	-40°C-260°C
Tensile Strength	ASTM D638	>24.5 MPa
Elongation at Break	ASTM D638	350%
Flexural Modulus	ASTM D790	490 MPa
Impact Strength	ASTM D265 +23°C-54°C/M	No Break
Hardness	ASTM D2240	55 Shore D
Coefficient of Dynamic Friction		0.1
Melting Point		327°C
Flammability	UL224	VW-1
Dielectric Constant	ASTM D150 10 ³ -10 ⁶ Hz	2.1
Dissipation Factor	ASTM D150 10 ⁶ Hz	0.0002
Arc Resistance	ASTM D495	>300s
Volume Resistivity	ASTM D257	>1.0 x 10 ¹⁶ Ω cm
Weather Resistance	2000 Hours	No Break
Solvent Resistance	ASTM D543	Excellent
Chemical Resistance	ASTM D543	Excellent

