

CYG-PTFE TEFLON HEAT-SHRINKABLE TUBING

Material: polytetrafluoroethylene (PTFE)

Shrink ratio: 2:1

Features:

- ◆ Translucent, semi-rigid
- ◆ High temperature and flame resistance
- ◆ Working temperature: -80°C~260°C
- ◆ Minimum shrink temperature: 320°C



Application:

CYG-PTFE is designed to provide insulation and mechanical protection in severe chemical and thermal environments. It is normally 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 and similar applications.

Specifications

Items	Test Methods	Specifications
Specific gravity	ASTM D792	2.16g/cm ³
Tensile strength	ASTM D638	≥24.5Mpa
Elongation at break	ASTM D638	≥350%
Bending coefficient	ASTM D792	≥490MPa
Impact strength	ASTM D256, +23°C -54°Cj/m	No cracking 107
Hardness	ASTM D2240	≥55 Shore D
Friction coefficient	-	≤0.1
Melting point	-	327°C
Working temperature	-	≤260°C
Flammability	UL224	VW-1
Dielectric constant 10 ³ -10 ⁶ HZ	ASTM D150	≥2.1
Dielectric dissipation factor 10 ⁶ HZ	ASTM D150	≥0.0002
Arc coefficient	ASTM D495	>300S
Volume resistance	UL224	≥1.0×10 ¹⁵ Ω .cm
Dielectric strength	ASTM D2671	AC 2500V, 60s, no breakdown
Weather resistance	“Weather-o-meter” (2000h)	No change
Solvent resistance	ASTM D543	Excellent
Chemical resistance	ASTM D543	Excellent

Size

CYG-PTFE (shrink ratio 2:1)

Size	As Supplied(mm)		After Recovery (mm)	
	Inside Diameter	Wall-thickness	Inside Diameter	Wall-thickness
Φ0.5	0.7±0.2	0.13-0.22	≤0.40	0.23±0.05
Φ0.8	0.8±0.2	0.13-0.22	≤0.45	0.23±0.05
Φ1.0	1.0±0.2	0.14-0.23	≤0.50	0.23±0.05
Φ1.5	1.5±0.2	0.14-0.23	≤0.90	0.25±0.06
Φ2.0	2.0±0.2	0.15-0.25	≤1.30	0.25±0.06
Φ2.5	2.5±0.2	0.15-0.25	≤1.50	0.25±0.06
Φ3.0	3.0±0.2	0.15-0.25	≤1.80	0.25±0.06
Φ3.5	3.5±0.2	0.16-0.27	≤2.0	0.30±0.06
Φ4.0	4.0±0.3	0.16-0.27	≤2.5	0.30±0.06
Φ4.5	4.5±0.3	0.16-0.27	≤2.8	0.30±0.06
Φ5.0	5.0±0.3	0.17-0.29	≤3.0	0.30±0.06
Φ6.0	6.0±0.3	0.17-0.29	≤3.8	0.30±0.06
Φ7.0	7.0±0.3	0.20-0.33	≤4.0	0.38±0.07
Φ8.0	8.0±0.3	0.20-0.33	≤4.8	0.38±0.07
Φ9.0	9.0±0.3	0.20-0.33	≤5.0	0.38±0.07
Φ10.0	10.0±0.3	0.22-0.37	≤6.0	0.38±0.07
Φ12.0	12.0±0.3	0.22-0.37	≤7.0	0.38±0.07

Other size and color are available upon special order.

CB-TT(L/T/S) TEFLON NON-SHRINKABLE TUBING

Material: polytetrafluoroethylene (PTFE)

Shrink ratio: non-shrinkable

Features:

- ◆ Voltage level: 150V / 300V / 600V
- ◆ Operation temperature range: -80~260 °C



Application:

Made of PTFE material, with high temperature resistance up to 260 °C, corrosion resistance, high dielectric strength, it is widely used in industries like electronics, electric heating, aerospace, military, and telecommunication, for example mini type transformers, special sensors, artificial blood vessels etc.

CB-TT-L(150V), CB-TT-T(300V) and CB-TT-S(600V) have passed the UL approval, also passed the UL1446 insulation system (PD GEORGE CO / RIPLEY RESIN DASH2B-5 system) compatibility test.

Specifications:

Items	Test Methods	Specification
Specific gravity	ASTM D792	2.16g/cm ³
Tensile strength	ASTM D638	≥17MPa
Elongation at break	ASTM D638	≥200%
Bending coefficient	ASTM D792	≥450MPa



PTFE TUBE SHOP

Impact strength	ASTM D256, +23°C-54°Cj/m	No cracking
Hardness	ASTM D2240	≥45 Shore D
Friction coefficient	-	≤0.1
Melting point	-	327°C
Operating temperature	-	≤260°C
Flammability	UL224	VW-1
Dielectric constant 10 ³ -10 ⁶ HZA	ASTM D150	≥2.0
Dielectric dissipation factor 10 ⁶ HZ	ASTM D150	0.0002
Arc coefficient	ASTM D495	>300S
Volume resistance	UL224	≥1.0×10 ¹⁵ Ω.cm
Dielectric strength	ASTM D2671	AC 2500V, 60s, no breakdown
Weather resistance	“Weather-o-meter” (2000h)	No change
Solvent resistance	ASTM D543	Excellent
Chemical resistance	ASTM D543	Excellent

Size

CB-TT(L/T/S) (Shrink ratio: non-shrink)

Size (AWG)	Inside Diameter (mm)	Wall-thickness(mm)			Packing Length (meter/roll)
		S-TYPE	T-TYPE	L-TYPE	
30	0.30±0.05	0.23±0.05	0.23±0.05	0.15±0.04	305
28	0.38±0.05				305
26	0.46±0.05				305
24	0.56±0.05	0.30±0.06	0.25±0.06		305
23	0.66±0.05				305
22	0.71±0.05				305
21	0.81±0.05				305
20	0.86±0.05	0.40±0.07	0.30±0.06		305
19	0.96±0.05				305
18	1.07±0.05				305
17	1.19±0.05			305	
16	1.34±0.05			153	
15	1.50±0.05			153	
14	1.68±0.08			153	
13	1.93±0.08			153	
12	2.16±0.08	0.50±0.07	0.38±0.07	153	
11	2.41±0.08			100	
10	2.69±0.08			100	
9	3.00±0.08			100	
8	3.38±0.08			50	
7	3.76±0.08			50	
6	4.22±0.08	0.25±0.06	0.25±0.06	50	
5	4.72±0.10			50	
4	5.28±0.10			100	
3	5.94±0.10			100	
2	6.68±0.10			100	
1	7.46±0.10			100	
0	8.38±0.10			100	

Other size and color are available upon special order.