

CYG-PTFE PTFE Heat-shrinkable Tubing

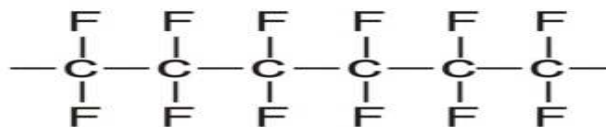
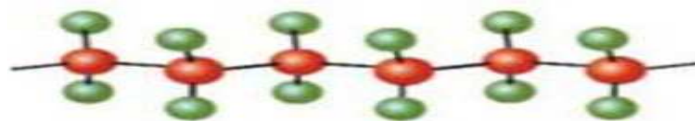
CYG-PTFE is high temperature, highly flame-retardant PTFE tubing with excellent chemical resistance. It is designed to provide insulation and mechanical protection in severe chemical and thermal environments. CYG-PTFE is normally used to cover hydraulic hoses and couplings to prevent contamination and corrosion. The high mechanical strength and extremely low coefficient of friction make it ideal for reducing damage to bearing shafts and similar applications.



Standard : SAE-AMS-DTL-23053/12

Technical Data:

Item	Test Method	Typical Data
Specific Gravity	ASTM D792	2.16g/cm ³
Operating Temperature		-55°C to +260°C
Min. Full Recovery Temperature:		327°C
Tensile Strength	ASTM D638	24.5 M Pa
Elongation at break	ASTM D638	350%
Bending Modulus	ASTM D790	490 M Pa
Impact Strength	ASTM D256+23°C-54°Cj/m	No crack
Hardness (shore)	ASTM D2240	55 Shore D
Coefficient of Dynamic Friction		0.1
Flammability	UL-224	VW-1
Dielectric Constant 10 ³ -10 ⁶ Hz	ASTM D150	2.1
Dielectric Dissipation Factor 10 ⁶ Hz	ASMT D150	0.0002
Arc Resistance	ASMT D495	>300 S
Linear Coefficient of Expansion	ASTM D257	>10 ¹⁸ Ω.cm
Weather Resistance	"Weather-o-meter"(2000h)	No crack
Fluid resistance	ASTM D543	Excellent
chemical resistance	ASTM D543	Excellent



Polytetrafluoroethylene (PTFE)

Dimensions:

SIZE	Inside diameter		Wall thickness After recovery (mm)
	Min. supplied inside diameter	Max. Recovered inside diameter	
AWG 30	0.8	0.38	0.23
AWG 28	0.9	0.46	0.23
AWG 26	1.1	0.53	0.25
AWG 24	1.2	0.66	0.25
AWG 22	1.4	0.81	0.30
AWG 20	1.5	0.97	0.30
AWG 18	1.9	1.17	0.30
AWG 16	2.3	1.47	0.30
AWG 14	3.0	1.83	0.30
AWG 12	3.8	2.31	0.30
AWG 10	4.8	2.84	0.30
AWG 8	6.1	3.53	0.38
AWG 6	7.6	4.41	0.38
AWG 4	9.4	5.53	0.38
AWG 2	10.9	6.93	0.38
AWG 0	11.9	8.69	0.38

Standard Color: Clear (Natural)

*Other colors and sizes are available upon special order