

Description

Halogen free flame retardant heat shrinkable tubing is made of eco-friendly cross-linking polyolefin material under irradiation. It has environment friendly, flexible, flame retardant, quick shrink and stable performance properties. Also, it has electrical insulation, welding point anticorrosion, antirust and mechanical performances. The heatshrink is approved by UL, RoHS and Reach certifications.

- 2:1 shrink ratio
- Halogen free, non-smoke, non-toxic, flameretardant, stable performance
- Resistant to common fluids
- Shrink temperature: 84°C to 125°C

Specification

Property		Unit	Test Method	Standard
Tensile Strength		MPA	≥10.4(before aging)	ASTM D 2671
			≥7.3(after aging)	158°C*168h
Breakage Elongation (%)		%	≥200(before aging)	ASTM D 2671
			≥100(after aging)	158°C*168h
Heat Shock		-	no sticking & no cracking	UL 224, 250°C*4h
Cold Blend		-	no cracking	-30°C*4h
Breakdown Strength		KV/mm	≥15	ASTM D 149
Dielectric	600V	-	UL 224	no breakdown for 2500V, 60s
Withstand	300V	-	UL 224	no breakdown for 1500V,60s
Volume Resistivity		Ω. cm	≥1×10 ¹⁴	IEC 60093
Corrosion Performance		-	UL 224	158°C*168h
Copper Stability		-	UL 224	158°C*168h
Flammability		-	UL 224	VW-1

Inner Diameter	As Supplied (mm)	After Recovery(mm)		Standard Package	Application Range(mm)
	Inner Diameter	Inner Diameter	Wall Thickness	(m/spool)	
Φ0.6	0.9±0.2	≤0.40	0.33±0.10	400	0.4~0.7
Φ0.8	1.1±0.2	≤0.50	0.33±0.10	400	0.6~0.8
Φ1.0	1.5±0.2	≤0.65	0.36±0.10	400	0.75~0.9
Φ1.5	2.0±0.2	≤0.85	0.36±0.10	400	0.95~1.4
Φ2.0	2.5±0.2	≤1.00	0.45±0.10	400	1.1~1.8
Φ2.5	3.0±0.2	≤1.30	0.45±0.10	400	1.35~2.3
Φ3.0	3.5±0.2	≤1.50	0.45±0.10	400	1.6~2.7
Φ3.5	4.0±0.2	≤1.80	0.45±0.10	400	1.85~3.2
Φ4.0	4.5±0.2	≤2.00	0.45±0.10	400	2.1~3.6
Φ4.5	5.0±0.2	≤2.30	0.56±0.10	200	2.35~4.0
Φ5.0	5.5±0.2	≤2.50	0.56±0.10	200	2.6~4.5
Φ5.5	6.0±0.2	≤2.75	0.56±0.10	200	2.85~5.0
Φ6.0	6.5±0.2	≤3.00	0.56±0.10	200	3.1~5.4
Φ7.0	7.5±0.3	≤3.50	0.56±0.10	100	3.7~6.3
Φ8.0	8.5±0.3	≤4.00	0.56±0.10	100	4.2~7.2
Φ9.0	9.5±0.3	≤4.50	0.56±0.10	100	4.7~8.0
Φ10	10.5±0.3	≤5.00	0.56±0.10	100	5.2~9.0
Φ11	11.5±0.3	≤5.50	0.56±0.10	100	5.7~10
Φ12	12.5±0.3	≤6.00	0.56±0.10	100	6.2~11
Φ13	13.5±0.3	≤6.50	0.56±0.10	100	6.7~12
Φ14	14.5±0.3	≤7.00	0.70±0.10	100	7.3~13
Φ15	15.5±0.4	≤7.50	0.70±0.10	100	7.8~14
Φ16	16.5±0.4	≤8.00	0.70±0.10	100	8.3~15
Φ17	17.5±0.4	≤8.50	0.70±0.10	100	8.8~16
Φ18	19.0±0.5	≤9.00	0.70±0.10	100	9.3~17
Φ20	22.0±0.5	≤10.00	0.83±0.15	100	10.4~19
Φ22	24.0±0.5	≤11.00	0.83±0.15	100	11.4~21
Φ25	26.0±0.5	≤12.50	0.90±0.15	50	12.8~24
Φ28	29.0±0.5	≤14.00	0.90±0.15	50	14.4~29
Φ30	31.5±1.0	≤15.00	1.00±0.15	50	16~29
Φ35	36.5±1.0	≤17.50	1.00±0.15	50	18~34
Φ40	41.5±1.0	≤20.00	1.00±0.15	50	21~39
Φ45	46.5±1.0	≤22.5	1.00±0.15	25	23.5~44
Φ50	≥50	≤25.0	1.10±0.15	25	26~49
Φ60	≥60	≤30.0	1.20±0.15	25	35~55
Φ70	≥70	≤35.0	1.30±0.20	25	40~65
Φ80	≥80	≤40.0	1.30±0.20	25	45~75
Φ90	≥90	≤45.0	1.30±0.20	25	50~85
Φ100	≥100	≤50.0	1.30±0.20	25	55~95
Φ120	≥120	≤60.0	1.30±0.20	25	65~115