

Flame-retardant Normal Wall Heat Shrinkable Tube

Product Property and Application

1.- B50 TUBE SERIES Heat Shrinkable Tube has excellent un-flammability, flexibility, and insulation. The shrinking temperature is very low and it can shrink very quickly. It is suitable for various electric insulation and bonding of cables and connectors and widely applied for connecting or end-handling, electric wire, insulating and harness of electric wire, corrosion-proof of metallic rods or tubes, and antenna protection. Material: Chemical, cross-linked (by radiation), thermally stabilized flame retarded polyolefin.

Standard: UL 224 VW-1

C-UL CSA C 22.2 OFT

RoHS Halogen Free Flame Retardant

2.- PROPERTY: Operating temperature : -55°C to +125°C

Shrinking Temperature: Start at 70°C, and shrunk totally at 110°C (CB) or 115°C.

Size range: Ø 0,8mm to 180 mm (3/64 to 5 inch or larger), special size are negotiable.

Shrink ratio: 2:1.

Available Color : Black, Red, Yellow, Green, Blue, White, Purple and Grey. Can produce upon customer's special requirement.

3.- PRODUCTS CHARACTERS

PROPERTY		Test Method	Standard Required	Classic Value
Physical	Tensile Strength (Mpa)	GB/T 1040	≥10.4	14.8
	Elongation%	GB/T 1040	≥200	460
	Tensile Strength after Aging (Mpa)	UL 224 158°C × 168hr	≥7.3	14.5
	Elongation after Aging %	UL 224 158°C × 168hr	≥100	480
	Heat Resistance	UL 224 250°C × 4hr	No viscosity No cracking	PASS
	Cold Blend	UL 224 -30°C × 1hr	No cracking	PASS
Electrical	Dielectric Strength (kV/mm)		GB/1408	≥15
	Dielectric Withstand (volts)	150V	UL 224	≥1500V
		600V	UL 224	≥2500V
	Volume resistance (Ω .cm)		GB1410	≥1×10 ¹⁴
Chemical	Corrosion		UL 224 158°C × 168hr	PASS
	Copper stability		UL 224 158°C × 168hr	PASS
	Flammability		UL 224	VW—1

4.- FLAME-RETARDANT NORMAL WALL B50 SIZES.

Size		As Supplied (mm)		After Recovery (mm)		Standard Package (m/spool)	Application Range (mm)
mm	inch	I.D.	Average W.T.	Max. I.D.	Average W.T.		
Φ 0.8	3/64	1.0±0.2	0.15±0.05	0.50	0.22±0.10	200	0.6-0.8
Φ 1.0	1/16	1.5±0.3	0.15±0.05	0.65	0.28±0.10	200	0.75-0.9
Φ 2.0	3/32	2.5±0.3	0.18±0.05	1.00	0.35±0.10	200	1.1-1.8
Φ 3.0	1/8	3.5±0.4	0.18±0.05	1.50	0.40±0.10	200	1.6-2.7
Φ 4.5	3/16	5.0±0.4	0.25±0.05	2.30	0.50±0.10	100	2.6-4.5
Φ 6.0	1/4	6.5±0.4	0.28±0.05	3.00	0.55±0.10	100	3.1-5.4
Φ 9.0	3/8	9.5±0.5	0.30±0.08	4.50	0.60±0.10	100	4.7-8.0
Φ 12	1/2	12.5±0.5	0.30±0.08	6.00	0.60±0.10	100	6.2-11.0
Φ 16	5/8	17.0±0.6	0.40±0.12	8.00	0.70±0.10	100	8.3-15.0
Φ 18	3/4	19.0±0.7	0.40±0.15	9.00	0.80±0.15	100	9.3-17.0
Φ 25	1	26.0±0.7	0.55±0.15	12.5	0.90±0.15	50	12.8-24.0
Φ 28	1-1/4	29.0±0.7	0.55±0.15	14.0	0.90±0.15	50	14.4-29.0
Φ 40	1-1/2	41.5±0.7	0.55±0.15	20.0	1.00±0.15	50	21-39
Φ 50	2	51.0±0.7	0.55±0.15	25.0	1.00±0.15	25	26-49
Φ 80	3	≥ 80	0.70±0.15	41.0	1.46±0.20	25	45-75
Φ 100	4	≥ 100	0.70±0.20	51.0	1.46±0.20	25	55-95
Φ 120	5	≥ 120	0.70±0.20	61.0	1.56±0.20	15	65-115