

Catalogue - Datasheet

Halogen Free Flame - retardant Polyolefin Heat Shrinkable Sleeve

Structure:

Halogen free flame-retardant heat shrinkable tube is made of eco-friendly cross-linking Polyolefin material under irradiation. It has environment-friendly, flexible, flame retardant, quick shrink and stable performances. Also, it has electrical insulation, welding point anticorrosion and antirust and mechanical performances.

Usage:

It is mainly used in electronics, telecommunication, automobiles, Locomotive, shipping and

Characteristics:

1. Halogen free, non-smoke, non-toxic, flame-retardant, soft, quick shrink, stable performance
2. Shrink ratio: 2:1
3. Shrink temperature: 84°C ~ 120°C
4. Operating Temperature : -67° to 275°F (-55° to +135°C)
5. Polyolefin is chemically inert and resistant to attack from acids, alkalis, fuels, and solvents.



SPECIFICATIONS

Property	Unit	Test Method	Standard
Tensile Strength	MPA	≥ 10.4 (before aging)	ASTM D 2671
		≥ 7.3 (after aging)	158°C 168 h
Breaking Elongation (%)	%	≥ 200 (before aging)	ASTM D 2671
		≥ 100 (after aging)	158°C 168 h
Heat Shock	--	No sticking & No cracking	UL 224, 250°C * 4h
Cold Bend	--	No cracking	-30°C * 4h
Breakdown Strength	KV/mm	> 10	ASTM D 149
Dielectric 600V	--	UL 224	no breakdown for 2500V, 60s
Volume Resistivity	Ω/cm	> 1x10 ¹²	IEC 60093 / ASTM D 876
Corrosion Performance	--	UL 224	158°C 168 h
Copper Stability	--	UL 224	158°C 168 h
Flammability	--	UL 224	VW-1

Dimensions

Inner Diameter	ORITRON Part No.	As supplied (mm)	After Recovery		Standard Package (m/spool)	Application Range (mm)
		Inner Diameter	Inner Diameter	Wall Thickness		
Φ 1.0	OT/HST/1mm/P/BLK	1.1±0.3	< 0.65	0.36±0.10	200	0.75~0.9
Φ 1.5	OT/HST/1.5mm/P/BLK	1.5±0.3	< 0.80	0.36±0.10	200	0.95~1.4
Φ 2.0	OT/HST/2mm/P/BLK	2.5±0.3	< 1.00	0.45±0.10	200	1.1~1.8
Φ 2.5	OT/HST/2.5mm/P/BLK	2.5±0.3	≤ 1.30	0.45±0.10	200	1.35~2.3
Φ 3.0	OT/HST/3mm/P/BLK	3.1±0.4	< 1.50	0.45±0.10	200	1.6~2.7
Φ 4.0	OT/HST/4mm/P/BLK	4.1±0.4	< 2.00	0.50±0.10	200	2.1~3.9
Φ 5.0	OT/HST/5mm/P/BLK	5.2±0.4	< 2.50	0.56±0.10	200	2.6~4.9
Φ 6.0	OT/HST/6mm/P/BLK	6.2±0.4	≤ 3.00	0.56±0.10	200	3.2~5.7
Φ 8.0	OT/HST/8mm/P/BLK	8.2±0.5	≤ 4.00	0.60±0.10	200	4.2~7.7
Φ 12.0	OT/HST/12mm/P/BLK	12.5±0.5	≤ 6.00	0.60±0.10	200	6.2~11.7
Φ 15.0	OT/HST/15mm/P/BLK	15.5±0.4	< 7.50	0.7±0.10	200	7.8~14.6
Φ 16.0	OT/HST/16mm/P/BLK	16.4±0.5	< 8.00	0.80±0.10	100	8.2~15.6
Φ 18.0	OT/HST/18mm/P/BLK	19.0±0.5	< 9.00	0.80±0.15	100	9.2~17.5
Φ 20.0	OT/HST/20mm/P/BLK	21.0±0.5	≤ 10.00	0.82±0.15	100	10.3~19.5
Φ 25.0	OT/HST/25mm/P/BLK	26.0±0.5	< 12.50	0.9±0.15	50	12.9~24.0
Φ 50.0	OT/HST/50mm/P/BLK	50.1±0.5	< 25	1.0±0.05	25	26~49

Color: Black (Other Colors are available on request)

- Specifications are subject to change without prior notice.

