

Non-shrinkable halogen free flame resistance polyolefin tubing



Model Number: SBD-SWHF-PO

Working temperature: -55°C ~ 125°C

Structure

Non-shrinkable halogen free flame resistance polyolefin tubing is made of eco-friendly cross-linking polyolefin material under irradiation. It has excellent physical and chemical electrical performance. The main function is to connect pieces of electrical insulation and wiring harness.

Usage

It is mainly used in electronics, telecommunication, automobiles,

shipping and other manufacturing industries.

Characteristics

1. Non-shrinkable, Irradiated
2. Halogen free, flame-retardant, flexible, non-toxic, low smoke,
3. RoHS compliant
4. Standard color: Black

Table 1: Specification

Property	Unit	Standard	Test Method
Tensile Strength	MPA	≥10.4(before aging)	ASTM D 2671
		≥7.3(after aging)	158°C*168h
Breakage Elongation (%)	%	≥200(before aging)	ASTM D 149
		≥100(after aging)	158°C*168h
Heat Shock	-	no sticking & no cracking	UL 224, 250°C*4h
Volume Resistivity	Ω. cm	≥1×10 ¹⁴	IEC 60093
Corrosion Performance	-	PASS	UL224
Flammability	-	VW-1, Self-extinguishing	UL224
Water absorption	%	≤0.5	ASTM D570
Dielectric Strength	KV/mm	≥15	IEC 243

Table2: Dimension

Size (AWG)	Inner diamter (mm)	Thin wall thickness (mm)	Normal wall thickness (mm)	Standard package (m/spool)
AWG20	0.85±0.05	0.20±0.02	0.30±0.02	200
AWG18	1.00±0.05	0.30±0.02	0.40±0.02	200
AWG16	1.30±0.05	0.30±0.02	0.40±0.02	200
AWG14	1.65±0.05	0.30±0.02	0.40±0.02	200
AWG12	2.10±0.05	0.30±0.02	0.40±0.02	100
AWG10	2.60±0.05	0.35±0.02	0.50±0.02	100
AWG8	3.30±0.05	0.35±0.02	0.50±0.02	100
AWG6	4.10±0.05	0.35±0.02	0.50±0.02	50
AWG5	4.60±0.05	0.35±0.02	0.50±0.02	50
AWG4	5.20±0.05	0.35±0.02	0.50±0.02	50
AWG3	5.80±0.05	0.35±0.02	0.50±0.02	50
AWG2	6.50±0.05	0.40±0.02	0.50±0.02	50
AWG1	7.40±0.05	0.40±0.02	0.50±0.02	50
AWG0	8.30±0.05	0.40±0.02	0.50±0.02	50
3/8	9.50±0.10	0.50±0.02		50
7/16	11.1±0.10	0.50±0.02		50
1/2	12.7±0.10	0.50±0.02		50
9/16	14.3±0.10	0.60±0.03		50
5/8	15.9±0.10	0.60±0.03		50
11/16	17.5±0.10	0.60±0.03		50
3/4	19.1±0.10	0.70±0.03		50
7/8	22.2±0.10	0.70±0.03		25
15/16	23.8±0.10	0.70±0.03		25
1	25.4±0.10	0.70±0.03		25

Color: Standard color is black, white, red, yellow, green, blue (other color available upon request).