



Products Proinfo

Characteristics

1. HSseries non-halogen flame-retardant(environment-friendly)thermal shrinkable bushing boasts very good flame retardation and it does not contain halogenso it will produce no hazardous gases when it is burnt with low smoke and no drop.
- 2 It does not contain heavy metal and conforms to SGS standard. Safety standard:UL224 VW-1 C-UL CSA C 22.20FT RoHS

Festures and application

1. HS series(non-halogen flame-retardant environment-friendly)thermal shdnkabe bushing uses excellent polymers to mix into the alloy in scientific composition and mechanical mixing.After being shapedthe products continue to undergo the radiation cross-link and continuous expansion with electronic accelerator. The products are characterized by softnessflame retardationfast shrinkage and stable performancewhich are widely used in wire connectionwelding protection. wire end wiring and electronic components protection and insulation treatment;the surface protection of spare parts of body-building equipments and steel structure;rust resistance and treatment of related products;and the marking of electdcal wires and other products.

2. Features

- (1)Eight heavy metalsand the halogen passes the SGS inspection.
- (2)Not contain organic tin compound [Fentin(Triphenyltin-)-chloride]asbestosAzo compoundsand the matedal restricted for release:formaldehyde.
- (3)Application:-40℃~50℃.
- (4)Initial shrinkage temperature:70℃;super-thin fully shrinkage temperature:105℃;and ordinary fully shrinkage temperature:125℃.
- (5)Softnessflame retardation and good luster.
- (6)Complete specifications:Φ0.8-Φ180and special specifications are subject to the orders.
- (7)Timely and large quantity of delivery.
- (8)Convenient useit can be shrinked after being heated with oven and hot air gun.
- (9)The pmduct complles with SonySS-00259EU RoHs and other environmental standards.

Standard color:blackredyellow,greenblue and whiteand special colors are upon the customer' needs.

Performance characteristics

	Performance	Testing method	Indexes	Typical
Physical characteristics	Mpa Tensile strength Mpa	GB/T1040	≥10.4	12.6
	Elongation at break%	GB/T1040	≥200	300
	Mpa Tensile strengty after thermal ageing Mpa	UL224 158℃ x 168hr	≥7.3	9.8
	Elongation at break after thermal ageing%	UL224 158℃ x 168hr	≥100	300
	Thermal shock resistance	UL224 158℃ x 1 hr	Non-sticking	PASS
	Cold bending resistance	UL224 -30℃ x 1 hr	Non-crack	PASS

Electrical characteristics	kv/mm Breakdown strength kv/mm		GB1418	≥1.5	1.8
	Pressure resistance	150V	U L224	1500V non-breakdown	PASS
		600V	U L224	2500V non-breakdown	PASS
	Volume resistivity Ω.cm		GB1410	1x10 ¹⁴	1x10 ¹⁵
Chemical Characteristics	Corrosion resistance		UL224 158℃ x 168hr		PASS
	Copper invariability		UL224 158℃ x 168hr		PASS
	Flame retardation		U L224	VW-1	PASS

Environmental protection Characteristics

Hazardous substance	Test standard	Test result
(Cd)	EN1122: 2001 METTHOD B	< 5ppm
(Pb)	EPA: METOD 3050B	< 2ppm
(Sb)	EPA: METOD 3052	< 2ppm
(Ba)	EPA: METOD 3052	< 2ppm
(Cr)	EPA: METOD 3052	< 2ppm
(Hg)	EPA: METOD 3052	< 2ppm
(As)	EPA: METHOD 3052	< 2ppm
(Se)	EPA: METHOD 3052	< 2ppm
(Fi)	EN 14582 METHOD B	N.D.
(Cl)	EN 14582 METHOD B	N.D.
(Br)	EN 14582 METHOD B	N.D.
(I)	EN 14582 METHOD B	N.D.

HS series Non-halogen flame-retardant(environment-friendly)thermal shrinkable bushing

Specification	Dimension before shrinking(mm)		Dimension after shrinking (mm)		Standard packaging (m/disc)	Application (mm)
	Internal diameter	Wall thickness	Internal diameter	Wall thickness		
Φ0.8	0.9±0.2	0.20±0.05	0.40±0.1	0.32±0.05	200	0.6~0.8
Φ1.0	1.2±0.3	0.20±0.05	0.48±0.1	0.32±0.05	200	0.75~0.9
Φ1.5	1.7±0.3	0.20±0.05	0.73±0.1	0.32±0.05	200	0.95~1.4
Φ2.0	2.2±0.3	0.25±0.05	0.98±0.1	0.32±0.05	200	1.1~1.8
Φ2.5	2.6±0.3	0.25±0.05	1.23±0.2	0.35±0.05	200	1.35~2.3
Φ3.0	3.2±0.4	0.25±0.05	1.45±0.2	0.35±0.05	200	1.6~2.7
Φ3.5	3.6±0.4	0.25±0.05	1.72±0.2	0.35±0.05	200	1.85~3.2
Φ4.0	4.2±0.4	0.25±0.05	1.96±0.2	0.35±0.05	200	2.1~3.6
Φ4.5	4.6±0.4	0.25±0.05	2.20±0.2	0.35±0.05	200	2.35~4.0
Φ5.0	5.2±0.4	0.25±0.05	2.48±0.2	0.35±0.05	200	2.6~4.5
Φ6.0	6.2±0.4	0.28±0.15	2.96±0.3	0.45±0.15	200	3.1~5.4
Φ7.0	7.2±0.4	0.28±0.15	3.48±0.3	0.45±0.15	100	3.7~3
Φ8.0	8.2±0.5	0.28±0.15	3.95±0.3	0.45±0.15	100	4.2~7.2
Φ9.0	9.2±0.5	0.30±0.15	4.40±0.3	0.50±0.15	100	4.7~8.0
Φ10	10.2±0.5	0.30±0.15	4.90±0.3	0.50±0.15	100	5.2~9.0
Φ11	11.2±0.5	0.30±0.15	5.40±0.3	0.50±0.15	100	5.7~10
Φ12	12.2±0.5	0.30±0.15	5.90±0.5	0.50±0.15	100	6.2~11
Φ13	13.2±0.5	0.33±0.15	6.40±0.5	0.50±0.15	100	6.7~12
Φ14	14.2±0.5	0.35±0.15	6.90±0.5	0.50±0.15	100	7.3~13
Φ15	15.2±0.6	0.38±0.15	7.40±0.5	0.60±0.15	100	7.8~14
Φ16	16.2±0.6	0.38±0.15	7.90±0.5	0.60±0.15	100	8.3~15

Φ17	17.2±0.6	0.38±0.15	8.40±0.5	0.60±0.15	100	8.8~16
Φ18	18.2±0.6	0.40±0.15	8.90±0.5	0.60±0.15	100	9.3~17
Φ20	20.2±0.8	0.40±0.20	9.90±0.5	0.70±0.20	100	11.4~19
Φ22	22.2±0.8	0.42±0.20	10.80±1.0	0.70±0.20	100	12.4~21
Φ25	25.3±0.8	0.45±0.20	12.30±1.0	0.70±0.20	50	12.8~24
Φ28	28.3±0.8	0.45±0.20	13.50±1.0	0.70±0.20	50	14.4~29
Φ30	30.2±0.8	0.45±0.20	14.70±1.0	0.70±0.20	50	16~29
Φ35	35.2±0.8	0.50±0.20	17.30±1.0	0.80±0.20	50	18~34
Φ40	40.0±1.0	0.50±0.20	19.80±1.0	0.80±0.20	50	21~39
Φ50	50.0±1.0	0.50±0.20	24.80±1.0	0.80±0.20	50	26~49
Φ60	60.0±1.0	0.60±0.20	29.80±1.0	0.80±0.20	25	35~55
Φ70	70.0±1.0	0.65±0.20	34.00±2.0	1.00±0.20	25	40~65
Φ80	80.0±1.0	0.65±0.20	39.00±2.0	1.00±0.20	25	45~75
Φ90	90.0±1.0	0.65±0.20	44.00±2.0	1.00±0.20	25	50~88
Φ100	100.0±2.0	0.65±0.20	49.00±2.0	1.00±0.20	25	55~95
Φ120	120.0±2.0	0.70±0.20	59.00±2.0	1.20±0.20	25	65~115
Φ150	150.0±2.0	0.70±0.20	74.00±2.0	1.20±0.20	25	80~145
Φ180	180.0±2.0	0.70±0.20	88.00±2.0	1.20±0.20	25	95~175