SUMITUBE™ B8

[125℃ rating, semi-rigid flame-retarded heat-shrinkable tubing] UL/CSA recognized

Catalog No. 846 ✓RoHS directive

Waterproofing | Flame-retarded | UL recognized | CSA recognized

Basic Properties

- Material : Irradiated cross-linked semi-rigid flame-retarded polyolefin
- Shrink temperature : min. 130℃
- Shrink ratio : Radial change: min. 50% Longitudinal change: 0 ±5%
- Continuous operating temperature : -55 to 125℃

Features

- UL/CSA recognized
- Semi-rigid
- Flame-retarded (PBDE/PBB-free)

Specifications/Approvals

UL224
File No. E48762 Catalog No. SUMITUBE™ B8 or 846
Rating temperature: 125℃ Rating voltage: 600V Flammability: VW-1

CSA C22.2 No. 198.1
File No. LR33298 Rating temperature: 125℃
Rating voltage: 600V Flammability: VW-1

Electrical Appliance and Material Safety Law (Japan)
Flammability rating (-F-) test registration No.: F-STS3-009 to F-STS3-012

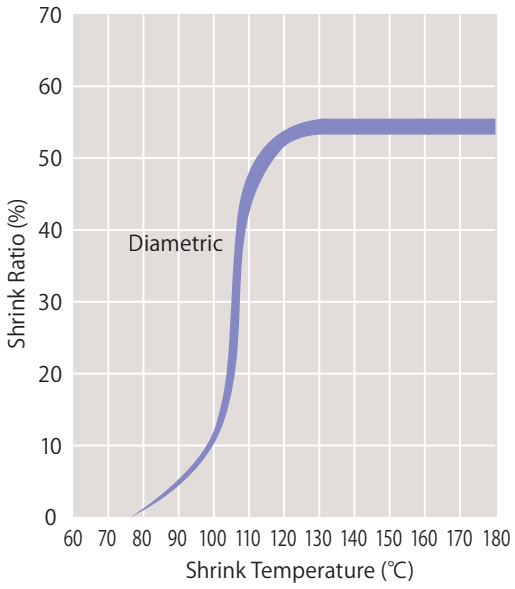
Marking on Surface

SUMITOMO-K CSA SR HS X PO TUBING 125℃ SUMITUBE

Applications

- Insulation, protection and reinforcement for termination and joints of electric wire which require high strength mechanical abuse
- Corrosion protection for pipes

Shrink Properties



Colors

- Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White

Properties [UL224]

Properties	Items	Requirements	Typical values*1
Mechanical	Tensile strength (before aging)	min. 13.8MPa	19.0MPa
	Tensile strength (after aging)	158℃ x 7 days, min. 9.7MPa	17.1MPa
	Elongation (before aging)	min. 200%	340%
	Elongation (after aging)	158℃ x 7 days, min. 100%	340%
	Heat shock	250℃ x 4 hours, no crack	Pass
	Cold bend	-30℃ x 1 hour, no crack	Pass
Electrical	Dielectric withstand (before aging)	AC2.5kV x 60 sec., no breakdown	Pass
	Dielectric withstand (after aging)	158℃ x 7 days, AC2.5kV x 60 sec., no breakdown	Pass
	Dielectric breakdown (before aging)	min. AC2.5kV	15.0kV
	Dielectric breakdown (after aging)	158℃ x 7 days, min. 50% of original and min. AC2.5kV	Pass
	Volume resistivity	min. 1.0 x 10^{14}Ω•cm	2.3 x 10^{16}Ω•cm
Chemical	Corrosion against bare copper	158℃ x 7 days, no corrosion after leaving under 95% humidity, 23℃ x 24 hours	Pass
	Stability against copper	158℃ x 7 days, elongation min. 100% after leaving under 95% humidity, 23℃ x 24 hours	304%
	Flammability	Flame-retarded, pass VW-1	Pass

*1: For reference use only

Sizes

Nominal size (inch)	Supplied ID (mm)		Recovered ID (mm)		Unit length (min.) (m)
	Inside diameter	Wall thickness (nom.)	Inside diameter (max.)	Wall thickness	
3/64	1.60±0.30	0.25	0.60	0.51±0.07	1.22
1/16	2.00±0.30	0.25	0.80	0.51±0.07	1.22
3/32	2.70±0.30	0.25	1.20	0.51±0.07	1.22
1/8	3.50±0.30	0.25	1.60	0.51±0.07	1.22
3/16	5.20±0.30	0.30	2.40	0.64±0.07	1.22
1/4	6.8 ±0.4	0.30	3.20	0.64±0.07	1.22
3/8	10.0 ±0.4	0.35	4.80	0.76±0.07	1.22
1/2	13.2 ±0.5	0.35	6.4	0.76±0.07	1.22
3/4	20.0 ±0.6	0.35	9.5	0.76±0.07	1.22
1	26.6 ±0.8	0.40	12.7	0.89±0.12	1.22