

SUMITUBE™ B8

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

Catalog No. 846 RoHS directive 10 substances

Waterproofing Flame-retarded UL recognized CSA recognized



Basic Properties

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

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°C Rating voltage: 600V Flammability: VW-1

CSA C22.2 No. 198.1

File No. LR33298 Rating temperature: 125°C
 Rating voltage: 600V Flammability: VW-1

Electrical Appliance and Material Safety Law (Japan)

Flammability rating (-F) test registration No.: F-ST53-009 to F-ST53-012

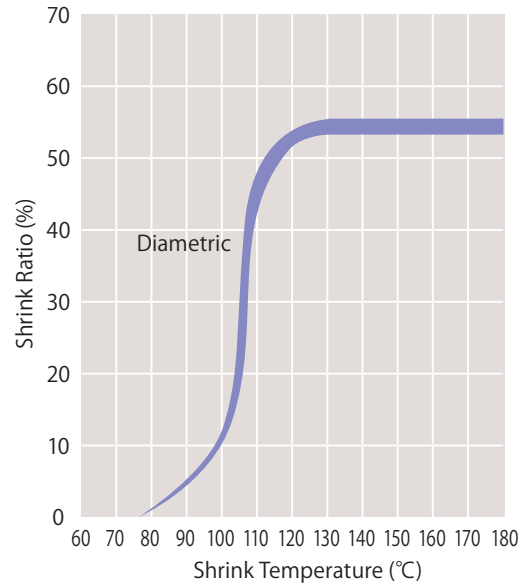
Marking on Surface

◆SUMITOMO-K CSA SR HS X PO TUBING 125°C 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°C x 7 days, min. 9.7MPa	17.1MPa
	Elongation (before aging)	min. 200%	340%
	Elongation (after aging)	158°C x 7 days, min. 100%	340%
	Heat shock	250°C x 4 hours, no crack	Pass
Electrical	Cold bend	-30°C x 1 hour, no crack	Pass
	Dielectric withstand (before aging)	AC2.5kV x 60 sec., no breakdown	Pass
	Dielectric withstand (after aging)	158°C 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°C x 7 days, min. 50% of original and min. AC2.5kV	Pass
Chemical	Volume resistivity	min. 1.0 x 10 ¹⁴ Ω·cm	2.3 x 10 ¹⁶ Ω·cm
	Corrosion against bare copper	158°C x 7 days, no corrosion after leaving under 95% humidity, 23°C x 24 hours	Pass
	Stability against copper	158°C x 7 days, elongation min. 100% after leaving under 95% humidity, 23°C x 24 hours	304%
	Flammability	Flame-retarded, pass VW-1	Pass

*1: For reference use only

Sizes

Trade size (inch)	As supplied (mm)		After recovered (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

SUMITUBE	A
SUMITUBE	C
SUMITUBE	A4
SUMITUBE	LA
SUMITUBE	C (UL)
SUMITUBE	D
SUMITUBE	A2
SUMITUBE	B
SUMITUBE	LB
SUMITUBE	F (Z)
SUMITUBE	F3 (Z)
SUMITUBE	NHR2
SUMITUBE	NHR4
SUMITUBE	V (300V)
SUMITUBE	V (600V)
SUMITUBE	F2 (Z)
SUMITUBE	F4 (Z)
SUMITUBE	B2
SUMITUBE	B2 (3X)
SUMITUBE	B8
SUMITUBE	K
SUMITUBE	K2
SUMITUBE	KH200 (TW)
SUMITUBE	KH230 (TW)
SUMITUBE	B6
SUMITUBE	R
SUMITUBE	AN25
SUMITUBE	W
SUMITUBE	O2C
SUMITUBE	W3C
SUMITUBE	O2B2
SUMITUBE	W3F2
SUMITUBE	W3B2
SUMITUBE	W3B2 (4X)
SUMITUBE	SA2
SUMITUBE	SA3
IRRAX™TUBE	
IRRAX™TAPE	
IRRAXTUBE	A
IRRAXTUBE	B
IRRAXTUBE	F2
IRRAXTUBE	F2 (UL)
IRRAXTUBE	V2
IRRAXTUBE	RP3
IRRAXTUBE	B8
IRRAXTUBE	ER2
IRRAXTUBE	NHR
IRRAXTUBE	FE2
IRRAXTAPE	VZL
IRRAX™SLEEVE	
IRRAXSLEEVE	SCM2
IRRAXSLEEVE	SBI 300/350
IRRAXSLEEVE	SNHM
Composite articles	
SUMISEAL	
SUMITUBE SA3 CAP	
Processing equipment	
SUMISHRINKER / HEATING GUN	