

SUMITUBE™ B2 (3X)

[High shrink ratio flame-retarded heat-shrinkable tubing] UL/CSA recognized

Catalog No. 826  RoHS directive 10 substances



SUMITUBE™

A
C
A4
LA
C (UL)
D
A2

B
LB

F (Z)
F3 (Z)
NHR2
NHR4
V (300V)
V (600V)

F2 (Z)
F4 (Z)
B2
B2 (3X)
B8

K
K2

KH200 (TW)

KH230 (TW)

B6
R
AN25

W

O2C
W3C

O2B2
W3F2
W3B2
W3B2 (4X)
SA2
SA3

IRRAX™TUBE
IRRAX™TAPE

A
B
F2
F2 (UL)
V2
IRRAXTUBE
RP3
B8
ER2
NHR
FE2
IRRAXTAPE
VZL

IRRAX™SLEEVE

SCM2
IRRAXSLEEVE
SBI
300/350
SNHM

Composite articles

SUMISEAL
SUMITUBE SA3 CAP

Processing equipment

SUMISHRINKER / HEATING GUN

Basic Properties

- Material : Irradiated cross-linked flexible flame-retarded polyolefin
- Shrink temperature : min. 90°C
- Shrink ratio : Radial change: min. 66%
Longitudinal change: min. -15%
- Continuous operating temperature : -55 to 135°C

Features

- High shrink ratio
- UL/CSA recognized
- Flame-retarded (PBDE/PBB-free)
- Bright colors

Specifications/Approvals

UL224

File No. E48762 Catalog No. SUMITUBE™ B2 or 826
Rating temperature: 125°C Rating voltage: 600V
Flammability: VW-1

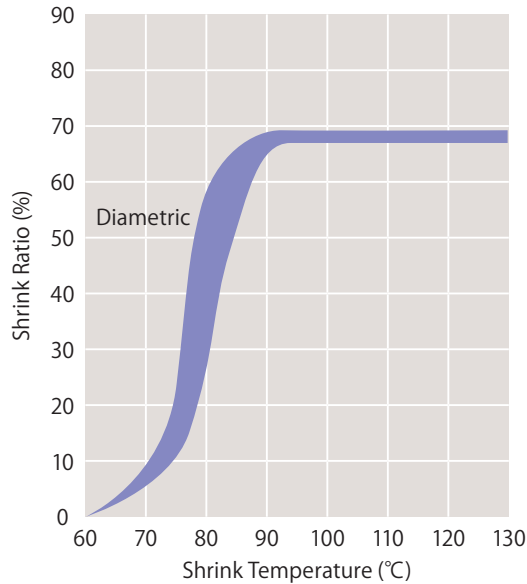
CSA C22.2 No. 198.1

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

Applications

- Insulation, protection and reinforcement of irregular-shaped substrates
- Color identification and bundling for electric wires

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. 10.4MPa	12.1MPa
	Tensile strength (after aging)	158°C x 7 days, min. 7.3MPa	12.5MPa
	Elongation (before aging)	min. 200%	440%
	Elongation (after aging)	158°C x 7 days, min. 100%	450%
	Heat shock	250°C x 4 hours, no crack	Pass
	Cold bend	-30°C x 1 hour, no crack	Pass
Electrical	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	24.8kV
	Dielectric breakdown (after aging)	158°C x 7 days, min. 50% of original and min. AC2.5kV	Pass
	Volume resistivity	min. 1.0 x 10 ¹⁴ Ω·cm	5.8 x 10 ¹⁴ Ω·cm
Chemical	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	405%
	Flammability	Flame-retarded, pass VW-1	Pass

*1: For reference use only

Sizes

Trade size (mm)	As supplied (mm)		After recovered (mm)		Unit length (min.) (m)
	Inside diameter (min.)	Wall thickness (nom.)	Inside diameter (max.)	Wall thickness (min.)	
1.5/0.5	1.50	0.20	0.50	0.50	305
3/1	3.00	0.25	1.00	0.60	152.5
6/2	6.0	0.25	2.00	0.70	61
9/3	9.0	0.30	3.00	0.80	61
12/4	12.0	0.30	4.00	0.85	61
18/6	18.0	0.35	6.0	1.00	61
24/8	24.0	0.40	8.0	1.20	61
40/13	40.0	0.40	13.0	1.25	61