

SUMITUBE™ LB

[Large diameter flame-retarded heat-shrinkable tubing]

Catalog No. 813 ✓ RoHS directive 10 substances

Waterproofing Flame-retarded UL recognized CSA recognized



SUMITUBE™

A
C
A4
LA
C (UL)
D
A2

SUMITUBE B
LB

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

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

SUMITUBE K
K2

SUMITUBE KH200 (TW)

SUMITUBE KH230 (TW)

B6

SUMITUBE R
AN25

SUMITUBE 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. 115°C
- Shrink ratio : Radial change: approx. 35%
: Longitudinal change: min. -20%
- Continuous operating temperature : -45 to 120°C

Features

- Large diameter and thick wall
- Flame-retarded (PBDE/PBB-free)

Specifications/Approvals

SFP standard (RE4-2782)

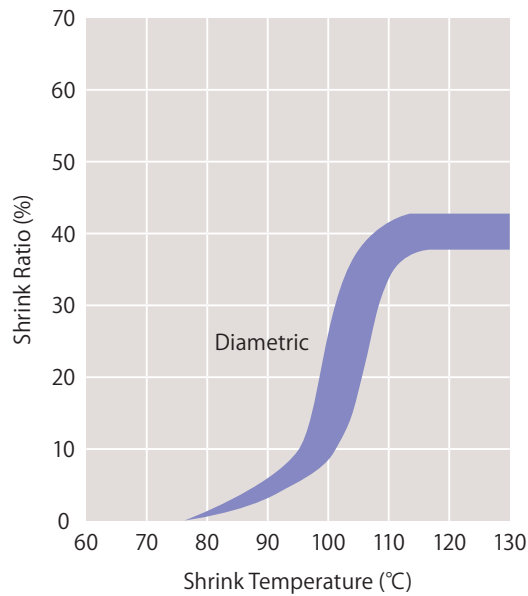
Applications

- Electrical insulation for busbars
- Insulation and protection for metal sleeves

Colors

- Black (Color is in pastel tone)

Shrink Properties



Properties

Properties	Items	Requirements	Typical values*1
Mechanical	Tensile strength	min. 10.4MPa	18.6MPa
	Elongation	min. 200%	454%
	Specific gravity	—	1.03
	Hardness (Shore D)	—	42
Electrical	Dielectric withstand	AC2.5kV x 60 sec., no breakdown	Pass
	Volume resistivity	min. 1.0 x 10 ¹⁴ Ω·cm	1.1 x 10 ¹⁷ Ω·cm
Chemical	Water absorption	23°C x 24 hours, max. 0.30%	0.15%
	Flammability	Flame-retarded (by FMVSS method*2)	Pass

*1: For reference use only *2: FMVSS = Federal Motor Vehicle Safety Standard (regulation in the U.S.A)

Sizes

Trade size (mm)	As supplied (mm)		After recovered (mm)		Unit length (min.) (m)
	Inside diameter	Wall thickness (nom.)	Inside diameter (max.)	Wall thickness (min.)	
30 × 1	36.0 ± 4.0	0.70	21.0	1.50	25
40 × 1	47 ± 4.0	0.70	27.0	1.50	25
50 × 1	57 ± 4.0	0.70	33.0	1.50	25
60 × 1	67 ± 4.0	0.70	40.0	1.50	25
70 × 1	77 ± 4.0	0.70	46.0	1.50	20
80 × 1	86 ± 4.0	0.70	53.0	1.50	20
90 × 1	96 ± 4.0	0.70	60.0	1.50	20
100 × 1	106 ± 4.0	0.70	66.0	1.50	20
120 × 1	127 ± 4.0	0.70	80.0	1.50	20
150 × 1	161 ± 4.0	0.70	98.0	1.50	20

