

SUMITUBE™ B

[General purpose flame-retarded heat-shrinkable tubing]

Catalog No. 815  RoHS directive 10 substances

 Waterproofing  Flame-retarded  UL recognized  CSA recognized



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
RP3
B8
ER2
NHR
FE2
VZL

IRRAX™SLEEVE

SCM2
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. 40%
: Longitudinal change: min. -15%
- **Continuous operating temperature** : -45 to 120°C

Features

- **Flame-retarded (PBDE/PBB-free)**

Specifications/Approvals

SFP standard (RE4-0380)

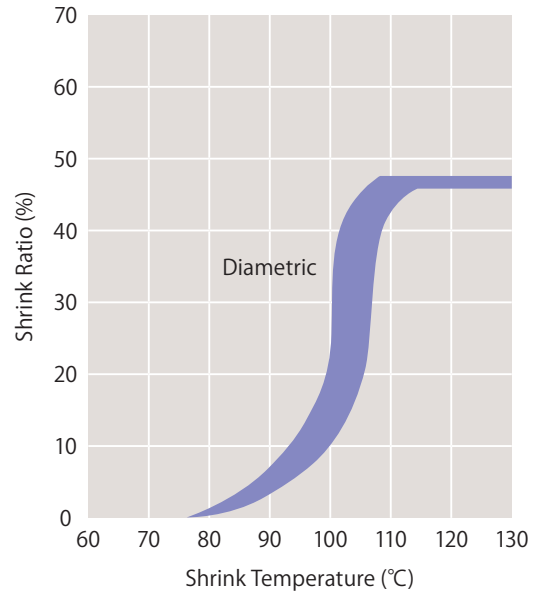
Applications

- Insulation and protection for automobile parts and harnesses
- Insulation, protection and reinforcement for termination and joints of electric wire
- Corrosion protection for pipes

Colors

- Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, White (all colors are 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.)	Cut	Spool
2 × 0.3	2.40 ± 0.30	0.30	1.20	0.40	1	200
2.5 × 0.3	2.90 ± 0.30	0.30	1.50	0.50	1	200
3 × 0.3	3.40 ± 0.30	0.30	1.80	0.50	1	200
3.5 × 0.3	3.90 ± 0.30	0.30	2.00	0.50	1	100
4 × 0.3	4.40 ± 0.30	0.30	2.30	0.50	1	100
5 × 0.3	5.40 ± 0.30	0.30	2.90	0.50	1	100
6 × 0.3	6.4 ± 0.3	0.30	3.50	0.50	1	50
7 × 0.3	7.4 ± 0.3	0.30	4.20	0.50	1	50
8 × 0.3	8.4 ± 0.3	0.30	4.70	0.50	1	50
10 × 0.3	10.6 ± 0.4	0.30	6.0	0.50	1	50
11 × 0.4	11.6 ± 0.4	0.40	7.0	0.65	1	50
12 × 0.4	12.6 ± 0.4	0.40	8.0	0.65	1	50
13 × 0.4	13.6 ± 0.4	0.40	8.5	0.65	1	50
14 × 0.4	14.6 ± 0.5	0.40	9.0	0.65	1	50
15 × 0.4	15.6 ± 0.5	0.40	10.0	0.65	1	50
16 × 0.4	16.6 ± 0.5	0.40	11.0	0.65	1	50
18 × 0.4	18.6 ± 0.5	0.40	12.0	0.65	1	50
20 × 0.4	20.5 ± 0.5	0.40	13.0	0.70	1	50
22 × 0.4	22.5 ± 0.5	0.40	14.0	0.70	1	50
25 × 0.4	25.5 ± 0.5	0.40	15.0	0.70	1	50