

SUMITUBE™ W3C

[Dual wall heat-shrinkable tubing with meltable adhesive for waterproofing of irregular-shaped objects]

Catalog No. 842 ✓ RoHS directive 10 substances

Waterproofing Flame-retarded UL recognized CSA recognized



Basic Properties

- Material : Outer: Irradiated cross-linked flexible polyolefin
: Inner: Meltable adhesive
- Shrink temperature : min. 115°C
- Shrink ratio : Radial change: min. 60%
: Longitudinal change: min. -15%
- Continuous operating temperature : -55 to 105°C

Features

- Watertight sealing with good adhesion to metals, polyolefin and PVC
- Flexible
- Thicker adhesive (than SUMITUBE™ O2C)

Specifications/Approvals

SFP standard (RE4-2081)

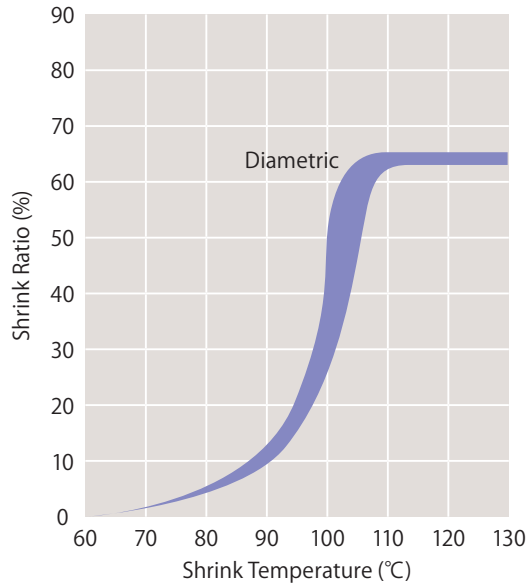
Applications

- Waterproof sealing for electronic devices with irregular shapes
- Encapsulation for wire branches
- Insulation and protection of wire joints

Colors

- Black, Clear

Shrink Properties



Properties

Properties	Items	Requirements	Typical values*1
Mechanical	Tensile strength (before aging)*2	min. 10.4MPa	13.9MPa
	Tensile strength (after aging)*2	136°C x 7 days, min. 7.3MPa	12.9MPa
	Elongation (before aging)	min. 200%	562%
	Elongation (after aging)	136°C x 7 days, min. 100%	500%
Electrical	Dielectric withstand	AC2.5kV x 60 sec., no breakdown	Pass
	Volume resistivity	min. 1.0 x 10 ¹⁴ Ω·cm	1.6 x 10 ¹⁶ Ω·cm
Chemical	Corrosion against bare copper	121°C x 16 hours, no corrosion	Pass
	Flammability	Flammable	—

*1: For reference use only *2: Calculated by using outer cross section

Sizes

Trade size (inch)	As supplied (mm)		After recovered (mm)			Unit length (min.) (m)
	Inside diameter (min.)	Wall thickness*3 (nom.)	Inside diameter (max.)	Wall thickness*3 (nom.)	Adhesive thickness (nom.)	
1/8	3.20	0.35	0.60	0.95	0.35	1.22
3/16	4.80	0.45	1.50	1.10	0.60	1.22
1/4	6.4	0.45	2.00	1.20	0.65	1.22
3/8	9.5	0.50	3.00	1.30	0.65	1.22
1/2	12.7	0.55	4.00	1.40	0.75	1.22
3/4	19.1	0.65	8.0	1.60	0.80	1.22
1	25.4	0.75	10.2	1.90	0.80	1.22

*3: Including inner adhesive

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
RP3
B8
ER2
NHR
FE2
VZL

IRRAX™SLEEVE

SCM2
SBI
300/350
SNHM

Composite articles

SUMISEAL
SUMITUBE SA3 CAP

Processing equipment

SUMISHRINKER / HEATING GUN