

SUMITUBE™ O2C

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

Catalog No. 942, 840 ✓ 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. 50%
: Longitudinal change: min. -15%
- Continuous operating temperature : -55 to 105°C

Features

- Watertight sealing with good adhesion to metals, polyolefin and PVC
- Flexible
- Thinner adhesive (than SUMITUBE™ W3C)

Specifications/Approvals

SFP standard (RE4-8592)

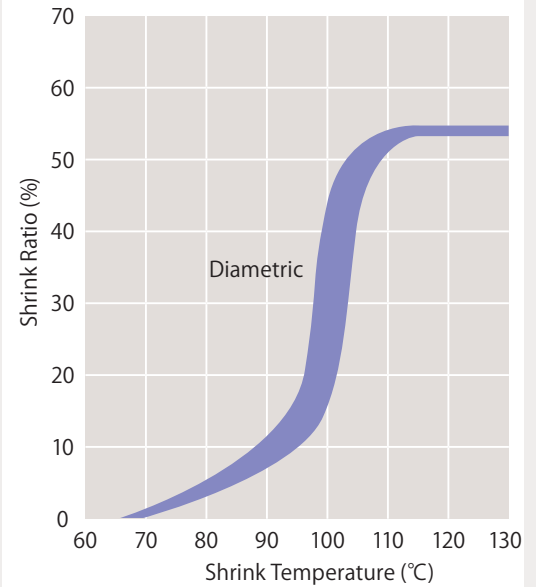
Applications

- Corrosion protection of pipes
- Waterproof sealing for electronic devices
- Insulation and protection for wire joints
- Effective for fixing and waterproofing of pipe-shaped objects

Colors

- Black, Clear

Shrink Properties



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

Properties

Properties	Items	Requirements	Typical values*1
Mechanical	Tensile strength (before aging)*2	min. 10.4MPa	16.0MPa
	Tensile strength (after aging)*2	136°C x 7 days, min. 7.3MPa	14.2MPa
	Elongation (before aging)	min. 200%	562%
Electrical	Elongation (after aging)	136°C x 7 days, min. 100%	500%
	Dielectric withstand	AC2.5kV x 60 sec., no breakdown	Pass
Chemical	Volume resistivity	min. 1.0 x 10 ¹⁴ Ω·cm	1.6 x 10 ¹⁶ Ω·cm
	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 (mm)	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.)	
2 × 0.3	2.00	0.30	1.00	0.60	0.20	1
3 × 0.3	3.00	0.30	1.50	0.60	0.20	1
4 × 0.3	4.00	0.30	2.00	0.60	0.20	1
5 × 0.3	5.00	0.30	2.50	0.60	0.20	1
6 × 0.35	6.0	0.35	3.00	0.70	0.20	1
7 × 0.35	7.0	0.35	3.50	0.70	0.20	1
8 × 0.35	8.0	0.35	4.00	0.70	0.20	1
9 × 0.35	9.0	0.35	4.50	0.70	0.20	1
10 × 0.35	10.0	0.35	5.00	0.70	0.20	1

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	0.40	1.60	0.70	0.20	1.22
3/16	4.80	0.40	2.40	0.70	0.20	1.22
1/4	6.4	0.40	3.20	0.75	0.20	1.22
3/8	9.5	0.40	4.80	0.75	0.20	1.22
1/2	12.7	0.40	6.4	0.75	0.20	1.22
3/4	19.1	0.45	9.5	0.90	0.20	1.22
1	25.4	0.55	12.7	1.10	0.20	1.22

*3: Including inner adhesive