

SUMITUBE™ O2C

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

Catalog No. 942, 840 ✓ RoHS directive

Waterproofing Flame-retarded UL recognized CSA recognized



A
LA
A4
SUMITUBE C
C (UL)
D
A2
SUMITUBE B
LB
F (Z)
F3 (Z)
NHR2
SUMITUBE NHR4
R
V (300V)
F2 (Z)
F4 (Z)
B2
SUMITUBE B2 (3X)
B8
V (600V)
K
SUMITUBE K2
SUMITUBE AN25
SUMITUBE B6
SUMITUBE O2C
SUMITUBE W3C
O2B2
W3F2
W3B2
SUMITUBE W3B2 (4X)
SA2
SA3
SUMITUBE W

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 (R4-8592)

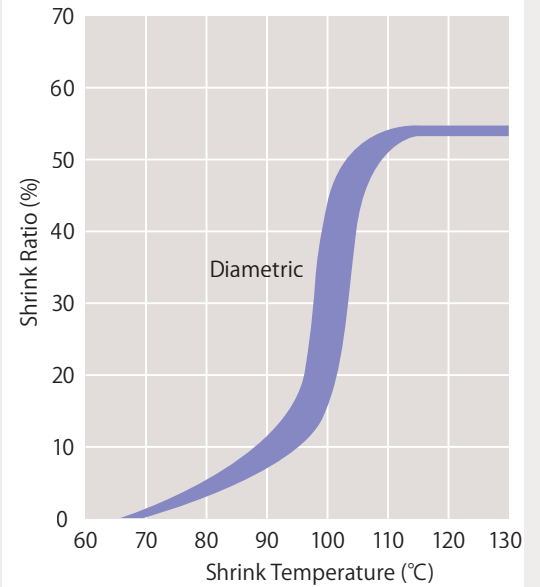
Applications

- 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, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White, Clear

Shrink Properties



IRRAX™TUBE IRRAX™TAPE

A
B
F2
F2 (UL)
V2
IRRAXTUBE RP3
B8
ER2
NHR
NHR4
FE2
IRRAXTAPE VZL

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%
	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

Nominal size (mm)	Metric size						Unit length (min.) (m)
	Supplied ID (mm)		Recovered ID (mm)				
	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	

Nominal size (inch)	Inch size						Unit length (min.) (m)
	Supplied ID (mm)		Recovered ID (mm)				
	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

Composite articles

SUMISEAL
SA3 CAP

Processing equipment

SUMISHRINKER / HEATING GUN
