

Basic Properties

- (1) Materials : Outer: Irradiated cross-linked flexible polyolefin
Inner: Meltable adhesive
- (2) Shrink temperature : min. 115°C
- (3) Shrink Ratio : Radial change: min. 60%
Longitudinal change: min. -15%
- (4) Continuous Operating Temperature : -55 to 105°C

Features

- (1) Highly waterproofing with well adhesion for metals, polyolefin and PVC
- (2) Effective for waterproofing of large gap objects
- (3) Flexible
- (4) Thicker adhesive (than Sumitube™ O2C)

Specification/Approvals

SFP standard (R4-2081)

Application

- (1) Waterproof sealing for electronic devices with large gap
- (2) Encapsulation for wire branches
- (3) Insulation and protection for wire joints

Colours

Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Grey, White, Clear

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	Voltage resistance	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 (inch)	Supplied ID (mm)		Recovered ID (mm)			Unit length (min.) (m)
	Inside diameter (min.)	Wall thickness (nom.)*	Inside diameter (max.)	Wall thickness (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

*Including inner adhesive

Shrink Property

