

Basic Properties

- (1) Materials : Irradiated cross-linked flexible polyolefin
- (2) Shrink temperature : min. 115°C
- (3) Shrink Ratio : Radial change: approx. 40%
Longitudinal change: min. -15%
- (4) Continuous Operating Temperature : -55 to 105°C

Features

- (1) Highly resistant against oil and chemicals
- (2) Transparent colours

Specification/Approvals

SFP standard (R4-0180)

Application

- (1) Insulation, protection and reinforcement for termination and joints of electric wire
- (2) Colour identification and bundling for electric wires
- (3) Insulation and protection for resistances and condenser
- (4) Anticorrosion for pipes

Colours

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

Properties

Properties	Items	Requirements	Typical values*1
Mechanical	Tensile strength	min. 10.4MPa	19.2MPa
	Elongation	min. 200%	440%
	Gravity	—	0.92
	Hardness (shore-D)	—	42
Electrical	Voltage resistance	AC2.5kV x 60 sec. no breakdown	pass
	Volume resistivity	min. $1.0 \times 10^{16} \Omega \cdot \text{cm}$	$1.6 \times 10^{16} \Omega \cdot \text{cm}$
Chemical	Water absorption	23°C x 24 hours, max. 0.10%	0.09%
	Flammability	Flammable	—

*1: For reference use only

Sizes

Nominal size (mm)	Supplied ID(mm)		Recovered ID (mm)		Unit length (min.) (m)	
	Inside diameter	Wall thickness (nom.)	Inside diameter (max.)	Wall thickness	Cut	Spool
1.5 x 0.2	2.10 ± 0.30	0.20	0.80	0.40 ± 0.10	1	200
2 x 0.2	2.60 ± 0.30	0.20	1.30	0.40 ± 0.10	1	200
2.5 x 0.2	3.10 ± 0.30	0.20	1.50	0.40 ± 0.10	1	200
3 x 0.2	3.60 ± 0.30	0.20	1.80	0.40 ± 0.10	1	200
3.5 x 0.2	4.10 ± 0.30	0.20	2.00	0.40 ± 0.10	1	100
4 x 0.2	4.60 ± 0.30	0.20	2.30	0.40 ± 0.10	1	100
5 x 0.2	5.60 ± 0.30	0.20	2.90	0.40 ± 0.10	1	100
6 x 0.25	6.5 ± 0.3	0.25	3.50	0.50 ± 0.10	1	100
7 x 0.25	7.5 ± 0.3	0.25	4.20	0.50 ± 0.10	1	50
8 x 0.25	8.5 ± 0.3	0.25	4.70	0.50 ± 0.10	1	50
9 x 0.25	9.5 ± 0.3	0.25	5.40	0.50 ± 0.10	1	50
10 x 0.25	10.5 ± 0.3	0.25	6.0	0.50 ± 0.10	1	50
11 x 0.25	11.5 ± 0.4	0.25	7.0	0.50 ± 0.10	1	50
12 x 0.3	12.4 ± 0.4	0.30	7.6	0.60 ± 0.10	1	50
13 x 0.3	13.4 ± 0.4	0.30	8.0	0.60 ± 0.10	1	50
14 x 0.3	14.4 ± 0.4	0.30	9.0	0.60 ± 0.10	1	50
15 x 0.3	15.4 ± 0.4	0.30	10.0	0.60 ± 0.10	1	50
16 x 0.3	16.4 ± 0.4	0.30	10.5	0.60 ± 0.10	1	50
18 x 0.3	18.4 ± 0.4	0.30	11.5	0.60 ± 0.10	1	50
20 x 0.3	20.4 ± 0.4	0.30	13.0	0.60 ± 0.10	1	50
22 x 0.3	22.4 ± 0.4	0.30	14.0	0.60 ± 0.10	1	50
25 x 0.3	25.5 ± 0.5	0.30	15.0	0.60 ± 0.10	1	50

Shrink Property

