

## ■ Basic Properties

- (1) Materials : Irradiated cross-linked flexible polyolefin
- (2) Shrink temperature : min. 90°C
- (3) Shrink Ratio : Radial change: approx. 40%  
Longitudinal change: min. -15%
- (4) Continuous Operating Temperature : -55 to 105°C

## ■ Features

- (1) Shrinkage at low temperature (at 90°C)
- (2) Flexible
- (3) Transparent colours

## ■ Specification/Approvals

SFP standard (R4-0580)

## ■ Application

- (1) Insulation, protection and reinforcement for termination and joints of electric wire
- (2) Colour identification and bundling for electric wires
- (3) Fixing and protection for cable labels
- (4) Insulation and protection for resistor and condenser

## ■ Colours

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

## ■ Properties

Properties	Items	Requirements	Typical values <sup>*1</sup>
Mechanical	Tensile strength Elongation Gravity Hardness (shore-D)	min. 10.4MPa min. 200% — —	20.9MPa 522% 0.94 41
Electrical	Voltage resistance Volume resistivity	AC2.5kV x 60 sec. no breakdown min. 1.0 x 10 <sup>14</sup> Ω·cm	pass 1.2 x 10 <sup>16</sup> Ω·cm
Chemical	Water absorption Flammability	23°C x 24 hours, max. 0.30% Flammable	0.08% —

\*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 x 0.2	1.60 ± 0.30	0.20	0.60	0.40 ± 0.10	1	100
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 ± 0.4	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

