

Basic Properties

- (1) Materials : Irradiated cross-linked flexible flame-retardant polyolefin
- (2) Shrink temperature : min. 115°C
- (3) Shrink Ratio : Radial change: approx. 35%
Longitudinal change: min. -20%
- (4) Continuous Operating Temperature : -45 to 120°C

Features

- (1) Large diameter and thick wall
- (2) Flame-retardant

Specification/Approvals

SFP standard (R4-2782)

Application

- (1) Electrical insulation for bus bar
- (2) Insulation and protection for metal sleeve

Colours

Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, White
(all colours are in pastel tone)

Properties

Properties	Items	Requirements	Typical values*1
Mechanical	Tensile strength	min. 10.4MPa	18.6MPa
	Elongation	min. 200%	454%
	Gravity	—	1.03
	Hardness (shore-D)	—	42
Electrical	Voltage resistance	AC2.5kV x 60 sec. no breakdown	pass
	Volume resistivity	min. $1.0 \times 10^{14} \Omega \cdot \text{cm}$	$1.1 \times 10^{17} \Omega \cdot \text{cm}$
Chemical	Water absorption	23°C x 24 hours, max. 0.30%	0.15%
	Flammability	Flame-retardant (by FMVSS method*2)	pass

*1: For reference use only

*2: FMVSS = Federal Motor Vehicle Safety Standard (regulation in the U. S. A)

Sizes

Nominal size (mm)	Supplied ID (mm)		Recovered ID (mm)		Unit length (min.) (m)
	Inside diameter	Wall thickness (nom.)	Inside diameter (max.)	Wall thickness (min.)	
30 x 1	36.0 ± 4.0	0.70	21.0	1.50	10
40 x 1	47 ± 4	0.70	27.0	1.50	10
50 x 1	57 ± 4	0.70	33.0	1.50	10
60 x 1	67 ± 4	0.70	40.0	1.50	10
70 x 1	77 ± 4	0.70	46	1.50	10
80 x 1	86 ± 4	0.70	53	1.50	10
90 x 1	96 ± 4	0.70	60	1.50	10
100 x 1	106 ± 4	0.70	66	1.50	10
120 x 1	127 ± 4	0.70	80	1.50	10
150 x 1	161 ± 4	0.70	98	1.50	10

Shrink Property

