

Basic Properties

- (1) Materials : Irradiated cross-linked flexible polyolefin
- (2) Shrink temperature : min. 110°C
- (3) Shrink Ratio : Radial change: min. 50%
Longitudinal change: min. -15%
- (4) Continuous Operating Temperature : -55 to 105°C

Features

- (1) Highly weather resistant
- (2) Opaque and bright colour

Specification/Approvals

SFP standard (R4-3684)

Application

- (1) Insulation and protection for outdoor applications
- (2) Insulation and protection for antennas
- (3) Insulation and reinforcement for cable terminals
- (4) Colour identification and bundling for electric wires
- (5) 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	16.6MPa
	Elongation	min. 200%	455%
	Gravity	—	0.92
	Hardness (shore-D)	—	42
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 ¹⁷ Ω·cm
Chemical	Water absorption	23°C x 24 hours, max. 0.20%	0.10%
	Flammability	Flammable	—
	Weather resistance		
	Outdoor exposure test*2	—	Colours can be identified for 2 years
	Weather-O-meter	—	Elongation 100% of original value after 1,000 hours Elongation 77% of original value after 2,000 hours

*1: For reference use only

*2: The result would be different depends on the region or condition.

Sizes

Nominal size (inch)	Supplied ID (mm)		Recovered ID (mm)		Unit length (min.) (m)
	Inside diameter	Wall thickness (nom.)	Inside diameter (max.)	Wall thickness (min.)	
3/64	1.60 ± 0.30	0.20	0.60	0.33	305
1/16	2.00 ± 0.30	0.20	0.80	0.36	305
3/32	2.70 ± 0.30	0.25	1.20	0.44	152.5
1/8	3.50 ± 0.30	0.25	1.60	0.44	152.5
3/16	5.20 ± 0.40	0.25	2.40	0.44	61
1/4	6.8 ± 0.4	0.30	3.20	0.56	61
3/8	10.0 ± 0.4	0.30	4.80	0.56	61
1/2	13.2 ± 0.5	0.30	6.4	0.56	61
3/4	20.0 ± 0.6	0.35	9.5	0.69	61
1	26.6 ± 0.8	0.40	12.7	0.77	61
1-1/2	39.3 ± 1.0	0.45	19.1	0.87	61
2	52.7 ± 1.5	0.50	25.4	0.97	61

Shrink Property

