



Product Introduction:

Adopt Flame retardant, cross-linked polyolefin, with an inner coating of hot-melt adhesive and an outer layer that shrinks to provide electrical and mechanical protection. Insulates and seals a variety of electrical wirings.

Characteristics:

1. Operating Temperature: -45°C ~ +125°C;
2. Shrink Temperature: Start at 70°C; shrunk totally at 120°C,
3. Inner layer glue melt temperature: 70~90°C
4. Shrink ratio: 3:1, 4:1, Logitudinal Shrink ratio ≤ 8%;
5. Waterproof, RoHS compliant;

Standard color: Black(Other color available upon request.)

Technical Data:

Property	Test Method	Standard
Tensile Strength (MPa)	ASTMD 2671	≥ 12
Elongation at Break	ASTMD 2671	≥ 300
Tensile Strength after aging (MPa)	UL224 158°CX168h	≥ 7.3
Elongation at Break after aging (%)	UL224 158°CX168h	≥ 200
Dielectric Strength	IEC243	≥ 15
Volume Resistance	IEC93	≥ 1 × 10 ¹⁴

Hot Melting Adhesive Property

Property	Test Method	Standard
Water Absorption	ASTM-D570	<0.2%
Vicat Softening Point	ASTM-E8	95°C
Peel Strength(PE)	ASTM-D1000	120N/25m
Peel Strength(AL)	ASTM-D1000	80N/25m

W-1-SB (4X) Specification:

Size		As supplied Min. I.D.	After Recovered(mm)			Standard Package m/spool or m/pc
mm	Inch		Max. I.D.	Total W.T.	Adhesive thickness	
Φ 4.0	—	4.0	1.0	1.0 ± 0.15	0.4 ± 0.15	200
Φ 6.0	—	6.0	1.5	1.1 ± 0.15	0.4 ± 0.15	100
Φ 8.0	—	8.0	2.0	1.5 ± 0.15	0.5 ± 0.15	50
Φ 12.0	—	12.0	3.0	1.7 ± 0.15	0.5 ± 0.15	1.22
Φ 16.0	—	16.0	4.0	2.0 ± 0.15	0.6 ± 0.15	1.22
Φ 20.0	—	20.0	5.0	2.3 ± 0.25	0.6 ± 0.15	1.22
Φ 24.0	—	24.0	6.0	2.5 ± 0.25	0.6 ± 0.15	1.22
Φ 32.0	—	32.0	8.0	2.8 ± 0.30	0.7 ± 0.15	1.22
Φ 52.0	—	52.0	13	3.0 ± 0.30	0.7 ± 0.15	1.22

W-1-SB (3X) Specification:

Size		As supplied(mm)		After Recovered(mm)			Standard package m/spool m/piece			Application range (mm)
Inch	(mm)	Min. I.D.	Average W.T.	Max. I.D.	Total W.T.	Adhesive thickness	Meter/spool	Spools/carton	Carton Size (cm)	
1/8	Φ 3.2	≥ 3.2	0.30 ± 0.08	≤ 1.00	0.95 ± 0.08	0.35 ± 0.08	200	10	46 × 46 × 44.5	1.0 ~ 3.1
3/16	Φ 4.8	≥ 4.8	0.46 ± 0.08	≤ 1.60	1.10 ± 0.08	0.40 ± 0.08	100	10	46 × 46 × 44.5	1.8 ~ 4.6
1/4	Φ 6.4	≥ 6.4	0.50 ± 0.08	≤ 2.20	1.20 ± 0.08	0.45 ± 0.08	100	6	46 × 46 × 44.5	2.4 ~ 6.4
5/16	Φ 7.9	≥ 7.9	0.52 ± 0.08	≤ 2.70	1.35 ± 0.08	0.50 ± 0.08	100	5	46 × 46 × 44.5	2.9 ~ 7.7
3/8	Φ 9.5	≥ 9.5	0.55 ± 0.08	≤ 3.20	1.45 ± 0.08	0.50 ± 0.08	Meter/bag 61	Bags/carton 6	Carton Size(cm) 130 × 20 × 16	3.4 ~ 9.4
1/2	Φ 12.7	≥ 12.7	0.68 ± 0.08	≤ 4.20	1.70 ± 0.08	0.50 ± 0.08	36.6	5	130 × 20 × 16	4.4 ~ 12.5
5/8	Φ 15.0	≥ 15.0	0.70 ± 0.10	≤ 5.20	1.80 ± 0.10	0.55 ± 0.10	30.5	5	130 × 20 × 16	5.4 ~ 14.8
3/4	Φ 19.1	≥ 19.1	0.76 ± 0.10	≤ 6.30	2.00 ± 0.10	0.55 ± 0.10	30.5	6	130 × 20 × 16	6.5 ~ 18.8
1	Φ 25.4	≥ 25.4	0.78 ± 0.10	≤ 8.50	2.10 ± 0.10	0.55 ± 0.10	30.5	5	130 × 20 × 16	8.8 ~ 25
1-1/4	Φ 30.0	≥ 30.0	0.80 ± 0.10	≤ 10.20	2.20 ± 0.10	0.60 ± 0.10	24.4	5	130 × 20 × 16	10.5 ~ 30
1-1/2	Φ 39.0	≥ 39	0.85 ± 0.10	≤ 13.50	2.40 ± 0.10	0.60 ± 0.10	18.3	5	130 × 20 × 16	14.0 ~ 39
2	Φ 50.0	≥ 50	0.95 ± 0.10	≤ 17.00	2.70 ± 0.10	0.70 ± 0.10	12.2	5	130 × 20 × 16	17.5 ~ 49
5/2	Φ 64	≥ 64	0.95 ± 0.10	≤ 21.00	3.00 ± 0.15	0.70 ± 0.10	6.1	7	130 × 20 × 16	22 ~ 62
3	Φ 75	≥ 76	1.00 ± 0.15	≤ 25.00	3.20 ± 0.15	1.00 ± 0.15	1.22	—	130 × 40 × 46	26 ~ 72
7/2	Φ 90	≥ 90	1.00 ± 0.15	≤ 30.00	3.30 ± 0.15	1.00 ± 0.15	1.22	—	130 × 40 × 46	32 ~ 88
4	Φ 100	≥ 100	1.20 ± 0.15	≤ 34.00	3.50 ± 0.15	1.20 ± 0.15	1.22	—	130 × 40 × 46	36 ~ 90
5	Φ 125	≥ 125	1.20 ± 0.15	≤ 42.00	3.50 ± 0.15	1.20 ± 0.15	1.22	—	130 × 40 × 46	44 ~ 125