



Product Introduction:

The product is made from cross-linked polyethylene material and environment friendly hot-melt Adhesive. It has the excellence of soft, airtight, fireproof etc. It is universally applied to provide water proof, airtight, anti-corrosion protection to metal wire, pump, repairing electrical wire, cable, and contacting wire.

Characteristics:

1. Operating Temperature: -45°C ~ 125°C;
2. Shrink Temperature: 115°C;
3. Inner layer glue melt temperature: 70-90°C
4. Shrink Ratio: 2:1, Logitudinal Shrink ratio ≤ 8%;
5. Waterproof, RoHS compliant;

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

Technical Data:

Property	Test Method	Standard
Tensile Strength(MPa)	ASTMD 2671	≥ 10.4
Elongation(%)	ASTMD 2671	≥ 300
Tensile strength after Aging	UL224 158°C X 168h	≥ 7.3
Elongation after Aging	UL224 158°C X 168h	≥ 200
Dielectric strength(kv/mm)	IEC 243	≥ 15
Volume resistance	IEC 93	≥ 1X10 ¹⁴

Hot Melting Adhesive Property

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

Specification:

Size		As supplied Min I.D. (mm)	After recovered			Package M/Spool
Inch	mm		Max I.D.(mm)	Total W.T.(mm)	Glue W.T.(mm)	
1/16	Φ 1.6	1.6	0.8	0.60 ± 0.15	0.3 ± 0.1	200
3/32	Φ 2.4	2.4	1.2	0.70 ± 0.15	0.35 ± 0.1	200
1/8	Φ 3.2	3.2	1.6	0.70 ± 0.15	0.35 ± 0.1	200
3/16	Φ 4.8	4.8	2.4	0.80 ± 0.15	0.4 ± 0.1	100
1/4	Φ 6.4	6.4	3.2	0.80 ± 0.15	0.4 ± 0.1	100
5/16	Φ 7.9	7.9	3.9	0.90 ± 0.15	0.45 ± 0.1	100
3/8	Φ 9.5	9.5	4.8	0.90 ± 0.15	0.45 ± 0.1	1.22
1/2	Φ 12.7	12.7	6.4	0.95 ± 0.20	0.45 ± 0.1	1.22
5/8	Φ 15.9	15.9	7.9	0.95 ± 0.20	0.45 ± 0.1	1.22
3/4	Φ 19.1	19.1	9.5	1.0 ± 0.20	0.45 ± 0.1	1.22
1	Φ 25.4	25.4	12.7	1.1 ± 0.20	0.50 ± 0.1	1.22
1 1/4	Φ 31.8	31.8	15	1.15 ± 0.20	0.50 ± 0.1	1.22
1 1/2	Φ 38.1	38.1	19	1.25 ± 0.20	0.50 ± 0.1	1.22
1 3/4	Φ 44.5	44.5	22	1.35 ± 0.20	0.55 ± 0.1	1.22
2	Φ 50.8	50.8	25.4	1.5 ± 0.25	0.60 ± 0.1	1.22



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: $-45^{\circ}\text{C} \sim +125^{\circ}\text{C}$;
2. Shrink Temperature: Start at 70°C ; shrunk totally at 120°C ;
3. Inner layer glue melt temperature: $70 \sim 90^{\circ}\text{C}$
4. Shrink ratio: 3:1, 4:1, Lognitudinal Shrink ratio $\leq 8\%$;
5. Waterproof, RoHS compliant;

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

Technical Data:

Property	Test Method	Stantard
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	$\geq 1 \times 10^{14}$

Hot Melting Adhesive Property

Property	Test Method	Stantard
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	
$\Phi 4.0$	—	4.0	1.0	1.0 ± 0.15	0.4 ± 0.15	200
$\Phi 6.0$	—	6.0	1.5	1.1 ± 0.15	0.4 ± 0.15	100
$\Phi 8.0$	—	8.0	2.0	1.5 ± 0.15	0.5 ± 0.15	50
$\Phi 12.0$	—	12.0	3.0	1.7 ± 0.15	0.5 ± 0.15	1.22
$\Phi 16.0$	—	16.0	4.0	2.0 ± 0.15	0.6 ± 0.15	1.22
$\Phi 20.0$	—	20.0	5.0	2.3 ± 0.25	0.6 ± 0.15	1.22
$\Phi 24.0$	—	24.0	6.0	2.5 ± 0.25	0.6 ± 0.15	1.22
$\Phi 32.0$	—	32.0	8.0	2.8 ± 0.30	0.7 ± 0.15	1.22
$\Phi 52.0$	—	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	$\Phi 3.2$	≥ 3.2	0.30 ± 0.08	≤ 1.00	0.95 ± 0.08	0.35 ± 0.08	200	10	$46 \times 46 \times 44.5$	1.0 ~ 3.1
3/16	$\Phi 4.8$	≥ 4.8	0.46 ± 0.08	≤ 1.60	1.10 ± 0.08	0.40 ± 0.08	100	10	$46 \times 46 \times 44.5$	1.8 ~ 4.6
1/4	$\Phi 6.4$	≥ 6.4	0.50 ± 0.08	≤ 2.20	1.20 ± 0.08	0.45 ± 0.08	100	6	$46 \times 46 \times 44.5$	2.4 ~ 6.4
5/16	$\Phi 7.9$	≥ 7.9	0.52 ± 0.08	≤ 2.70	1.35 ± 0.08	0.50 ± 0.08	100	5	$46 \times 46 \times 44.5$	2.9 ~ 7.7
3/8	$\Phi 9.5$	≥ 9.5	0.55 ± 0.08	≤ 3.20	1.45 ± 0.08	0.50 ± 0.08	Meter/bag	Bags/carton	Carton Size(cm)	3.4 ~ 9.4
							61	6	$130 \times 20 \times 16$	
1/2	$\Phi 12.7$	≥ 12.7	0.68 ± 0.08	≤ 4.20	1.70 ± 0.08	0.50 ± 0.08	36.6	5	$130 \times 20 \times 16$	4.4 ~ 12.5
5/8	$\Phi 15.0$	≥ 15.0	0.70 ± 0.10	≤ 5.20	1.80 ± 0.10	0.55 ± 0.10	30.5	5	$130 \times 20 \times 16$	5.4 ~ 14.8
3/4	$\Phi 19.1$	≥ 19.1	0.76 ± 0.10	≤ 6.30	2.00 ± 0.10	0.55 ± 0.10	30.5	6	$130 \times 20 \times 16$	6.5 ~ 18.8
1	$\Phi 25.4$	≥ 25.4	0.78 ± 0.10	≤ 8.50	2.10 ± 0.10	0.55 ± 0.10	30.5	5	$130 \times 20 \times 16$	8.8 ~ 25
1-1/4	$\Phi 30.0$	≥ 30.0	0.80 ± 0.10	≤ 10.20	2.20 ± 0.10	0.60 ± 0.10	24.4	5	$130 \times 20 \times 16$	10.5 ~ 30
1-1/2	$\Phi 39.0$	≥ 39	0.85 ± 0.10	≤ 13.50	2.40 ± 0.10	0.60 ± 0.10	18.3	5	$130 \times 20 \times 16$	14.0 ~ 39
2	$\Phi 50.0$	≥ 50	0.95 ± 0.10	≤ 17.00	2.70 ± 0.10	0.70 ± 0.10	12.2	5	$130 \times 20 \times 16$	17.5 ~ 49
5/2	$\Phi 64$	≥ 64	0.95 ± 0.10	≤ 21.00	3.00 ± 0.15	0.70 ± 0.10	6.1	7	$130 \times 20 \times 16$	22 ~ 62
3	$\Phi 75$	≥ 76	1.00 ± 0.15	≤ 25.00	3.20 ± 0.15	1.00 ± 0.15	1.22	—	$130 \times 40 \times 46$	26 ~ 72
7/2	$\Phi 90$	≥ 90	1.00 ± 0.15	≤ 30.00	3.30 ± 0.15	1.00 ± 0.15	1.22	—	$130 \times 40 \times 46$	32 ~ 88
4	$\Phi 100$	≥ 100	1.20 ± 0.15	≤ 34.00	3.50 ± 0.15	1.20 ± 0.15	1.22	—	$130 \times 40 \times 46$	36 ~ 90
5	$\Phi 125$	≥ 125	1.20 ± 0.15	≤ 42.00	3.50 ± 0.15	1.20 ± 0.15	1.22	—	$130 \times 40 \times 46$	44 ~ 125