

Our Services:

Overall solutions for electronic adhesive applications
Professional and efficient whole-process technical support

One-component pneumatic dispensing machine

Two-component 400W potting compound
Applicable viscosity range: 0-30,000 CPa
Stable gluing, clean craft, no heating or drying



Two-component medium- and low-viscosity potting machine

Two-component 12 color potting compound
Applicable viscosity range: 0-30,000 CPa
High precision dispensing accuracy, precise glue control, high filling, high precision gluing



Two-component high-viscosity gluing machine

Two-component 400W heating and cooling adhesive
Applicable viscosity range: 50,000-60,000 CPa
High proportioning accuracy, strong applicability, uniform mixing



Two-component multifunctional potting machine

Two-component 12 color potting compound and 40 color potting compound
Applicable viscosity range: 0-30,000 CPa
High precision dispensing accuracy, precise glue control, one machine with multiple functions for fully automatic potting



Solutions for Dispensing Equipment

Adhesive Solutions for LED Industry



ISO 9001 International Quality Management System Certification
ISO 14001 International Environmental Management System Certification

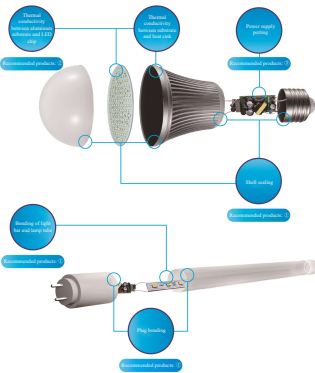


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LED Lighting

Common products: T8, bulb lights, street lights, floodlights, spotlights, LED tubes, candle lights, wall washer lights, underground lights, etc.
Typical applications: sealing of lamps/thermal conductivity between aluminum substrate and LED chip/thermal potting of driving power supply



Product Application & Typical Performance Parameters

Bonding and sealing, thermal bonding, thermal grease

Bonding

Product code	9551	9331	9552	9755	9502
Color and appearance	White paste	White paste	White paste	Grey paste	White paste
Thermal conductivity (W/m·K)	1.8	1.50	1.05	1.42	1.05
Density (g/cm ³)	1.5	1.5	2	1.5	2000(90°C)
Tack-free time (min)	15	15	30	45	30
Hardness (Shore A)	35	50	30	45	30
Tensile strength (MPa)	2.2	2.1	1.6	2.5	3.0
Elongation at break (%)	400	120	300	150	80
Shear strength (MPa)	1.8	1.5	1.4	1.5	-

Two-component adhesive-type bonding adhesive 9502 High efficiency, overall sealing, no voids of small molecules

Thermal conductivity

Product code	9616	9761
Color and appearance	White paste	White paste
Thermal conductivity (W/m·K)	0.85	1.0
Density (g/cm ³)	1.50	1.65
Tack-free time (min)	10	10
Hardness (Shore A)	65	80
Tensile strength (MPa)	2.2	2.5
Elongation at break (%)	60	90
Shear strength (MPa)	2	2.5
Flame retardant rating	UL94V-0	UL94V-0
Working temperature (°C)	-40~200	-40~200

Thermal grease Thermal conductivity between LED light source and substrate, as well as between substrate and heat sink

Product code	0111	0112	0113	0114	0115
Color and appearance	White paste	White paste	White paste	White paste	White paste
Thermal conductivity (W/m·K)	1.2	1.6	2.0	2.6	3.5
Density (g/cm ³)	2.40	2.74	2.96	2.54	2.6
Thermal expansion (1.5 × 10 ⁻⁶ ~ 1.4 × 10 ⁻⁶ / 1.1 × 10 ⁻⁶ / 0.7 × 10 ⁻⁶ / 0.4 × 10 ⁻⁶)					
Wettable (mPa)	0.2	0.2	0.2	0.2	0.2
Viscosity after curing (cP)	4000	4000	2000	1000	
Operation time (min)(25°C)	80	80	80	85	
Curing time (min)(80°C)	25	25	20	25	
Mixing ratio (A:B)	1:1	1:1	1:1	1:1	
Aging resistance	Double 8T test 60h, 150°C/holding for 24h, cold and hot shock 30T				

LED Power Supply

Thermal potting of LED street lights, bulb lights, and other types of LED driving power supply

Potting

Product code	5205	5206	5209	5209
Color and appearance	Grey	Grey	Grey	Grey
Thermal conductivity (W/m·K)	0.6	0.8	0.63	0.65
Flame retardant rating	UL94V-0	UL94V-0	UL94V-0	UL94V-0
Viscosity after curing (cP)	4000	4000	2000	1000
Operation time (min)(25°C)	80	80	80	85
Curing time (min)(80°C)	25	25	20	25
Mixing ratio (A:B)	1:1	1:1	1:1	1:1



LED Screen/Light Bar

Common products: display screens such as monochrome plug-in LED screen, full-color LED screen, and RGB SMT LED screen, light bars such as aluminum light bar and flexible light bar
Typical application: waterproof potting



Display screen/light bar potting

Product code	4120Q	4120Z	4120L	4111	4212	9310
Appearance and color	Black	Black	White	White	White	Black
Viscosity (cP)	1600	2200	800	1600	800	400
Density (g/cm ³)	1.33	1.16	1.35	1.15	0.95	1
Operation time (min)	30	30	18	70	60	5
Initial curing time (min)	60	60	90	180	300	/
Hardness (Shore A)	2	20	20	5	15	25

