

Brushless motor industry, coil preservation and insulation potting.

Product Feature :

1. Great operation ability, easily mix and defoam, great permeability after potting and bubble easily bursting.
2. Complies to the standard of flameproof level UL94V-0 and environmental regulations.
3. Two component epoxy resin with curing process at low temperature can make adhesive achieve better reaction, and insulation level is higher comparatively.

Product Model : JE136AB Series, JD796AB Series



Electrical automobile motor industry, preservation and insulation adhesive encapsulation on the interface of flat coil.

Product Feature :

1. Great operation ability, easily refoam after socking, stable viscosity and high reproducibility.
2. Operation time is longer than three days at room temperature, and complies to environmental regulations.
3. One component epoxy resin with curing process can make adhesive achieve better reaction, and insulation level is higher comparatively.

Product Model : JE125 Series



Potting in linear motor industry can complies to UL94V-0 standard, easily refoam, low shrinkage with minimal change of size.

Product Feature :

1. Complies to the standard of flameproof level UL94V-0 in industry and conform to environmental regulations.
2. This adhesive needs tough on silicon copper strip because this product needs no expansion and no crack at high temperature, and needs low shrinkage stress when lowering the temperature.
3. This adhesive has great chemical resistance that can endure oil stain erosion, high and low temperature, high heat and high humidity, thermal test.

Product Model : JD716AB Series



Casting application in submersible motor industry, which can endure high and low temperature, resist to water vapor erosion, and resist to salt spray.

Product Feature :

1. Great coherence on case of stainless steel, especially for great insulation and high thermal conductivity.
2. With operation parameters of production line, the design of this product becomes easily mix, easily debubble, easily defoam, and do not precipitation reaction.
3. This adhesive has great weather resistance and can endure -40°C* 500hr, 100°C*500hr, -40°C~85 °C*30 cycles · 85°C*85%RH*168hr.
4. Complies to newest international environmental regulations, such as RoHS 2.0, Halogen Free, PFOA, PFOS, REACH.

Product Model : NF041AB Series



Adhesion of oscillator in ultrasonicator industry.

Product Feature :

1. This adhesive needs the degree of deformation for the bonding property on steels pot, and needs not fall off for drop resistant more than 3 times.
2. This adhesive has to fair balance between the adhesion on substrates and cohesive force itself, which endures higher than 120°C and not soften.
3. This adhesive has great weather resistance that can endure -40°C*500hr, 100°C*500hr, -40°C~85°C*240 cycles, 85°C*85%RH*240hr.

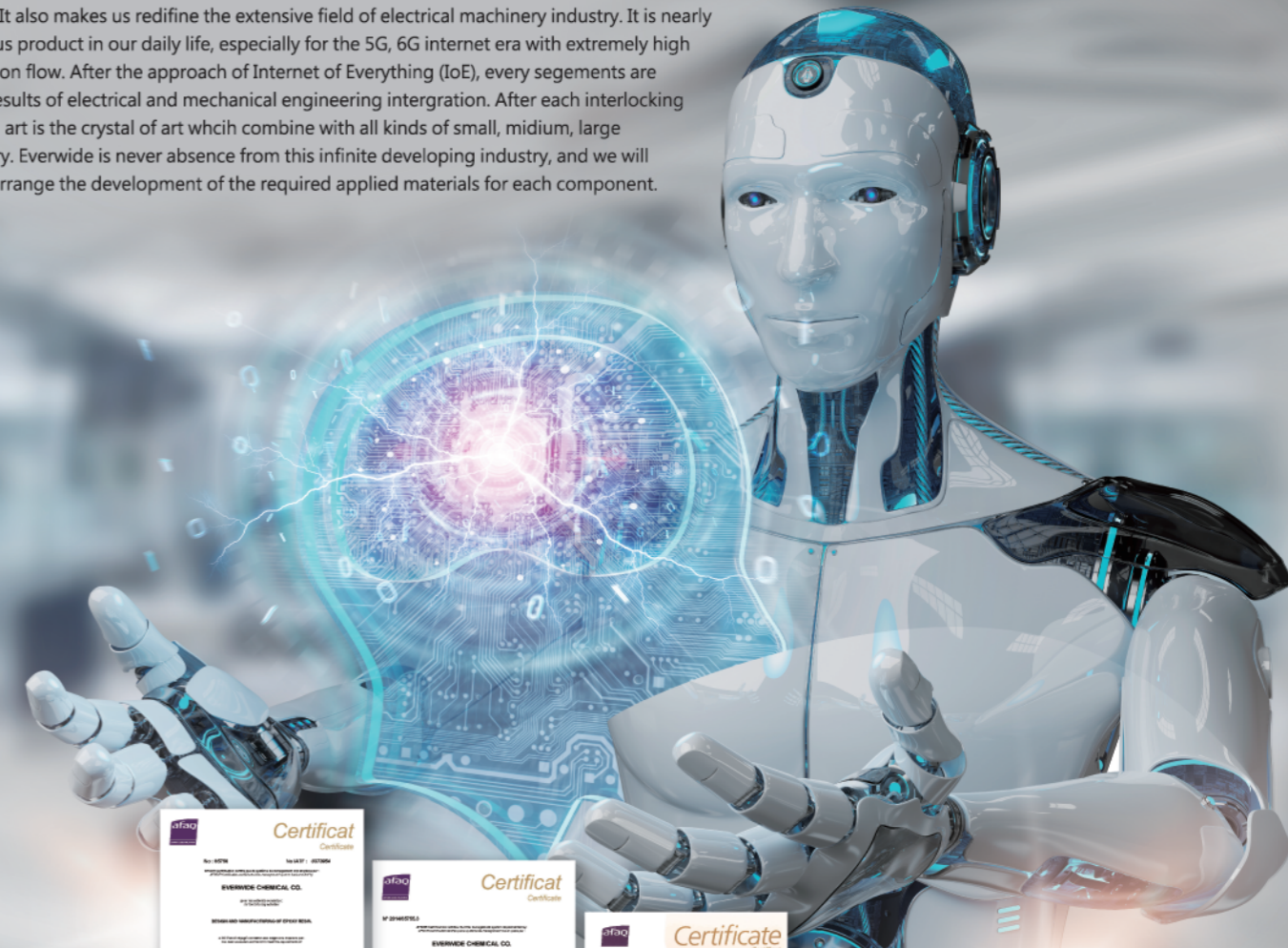
Product Model : JD114 Series



Mature Application in Electrical Machinery Industry: Adhesive Sealing and Thermal Conductive Materials.

Everwide has a foothold on Taiwan with the support of abundant advanced raw materials from Europe, the U.S.A, Japan, Korea, Taiwan,..., etc. It makes us capable to provide electrical machinery industry with best solutions to every kinds of mature applications for target customers. The contribution value is making product structure design of customers more flexible, higher properties of environmental test, gain better C/P value and better technical service for applied materials which is collective upgrading goal for co-production industry.

Electrical machinery industry has perfectly intergrated AI intelligence software firmware program since 2000, and has derived to the vigorous development of multi-functional robots industry. It also makes us redefine the extensive field of electrical machinery industry. It is nearly ubiquitous product in our daily life, especially for the 5G, 6G internet era with extremely high information flow. After the approach of Internet of Everything (IoE), every segments are perfect results of electrical and mechanical engineering intergration. After each interlocking industrial art is the crystal of art which combine with all kinds of small, midium, large machinery. Everwide is never absence from this infinite developing industry, and we will actively arrange the development of the required applied materials for each component.



Everwide has professional service of research and development, manufacturing, quality certification.



IATF 16949



ISO 9001



ISO 45001



ISO 14001



TQQS



The developing blueprint of adhesive sealing thermal conductive materials in electrical machinery industry.

Everwide has already summarized the requirements for applied materials in electrical machinery industry in following points. Afterwards, according to this developing trend, making the outline which is the blueprint of future product development, immediately following thing is to have inter-responsibility verification with target customers then leading in mass production. Afterwards, make modified engineering and step forwards to future high-level field.

Here are the most important glue characteristics of applied materials in this industry :

- * Dielectric strength of adhesive had better be higher than 18KV/mm.
- * Most adhesive require flameproof certification, and it is required for the standard of UL94V-O.
- * The temperature tolerance level is at least 90°C, and commonly required for 105°C. It has better to reach the standard of 155°C.
- * The range of products inspection is stricter. If it is used in transportation industry, it must require IATF 16949 certification.
- * Current standard of environmental test is -40°C*240hr, 125°C*240hr, -40°C(120min)~125°C(120min) *100 cycles, 85°C*85%RH*1000hr, 3% salt spray test * 168hr.
- * Complies to newest international environmental regulations : RoHS 2.0 · Halogen Free · PFOA · PFOS · REACH.
- * Complies to newest insulation system certification which is the trust system in global system in electrical machinery industry.

The developing blueprint of Everwide products :

- * Develop casting two components epoxy which can achieve high thermal conductivity 2W~3W/mk, and has high insulation at the same time.
- * Develop the product will not have little crack after heat and cold impact, especially for big volume casting and big area casting electric machinery parts.
- * The products have extra long anti-aging test which can make its pot life up to 8~10 years.
- * Use environmental friendly raw materials instead of phosphorus flame retardants, making green products more extensively applied on the market.

Here are the applied industries that Everwide lead-in successfully :



electrical automobile

servo-motor

unmanned aerial vehicle(UAV)

heat-dissipating fan

linear-motor

ultrasonic shake head

battery charger module

electric tool

magnetic suspension module

relay

current controller

transformer

Applications that successfully lead in electrical machinery on every product lines of Everwide :

Fixed electric wire in heat-dissipating fan industry, fast-cured epoxy, UV curable toughness acrylic resin.

Product Feature :

1. For the main body of PA+glass fiber and fixed reinforcement of PVC, CGVC, electric wire can endure pulling force and will not loose.
2. Cooperate with the efficiency of production line, so the pre-fixation rate of resin is extremely high.
3. Adhesive has great weather resistance which can endure -40°C*500hr, 100°C*500hr, -40°C~85°C*240 cycles, 85°C*85%RH*240hr.

Product Model : toughened photo-curing resin of FP Series, JA484-3AB environment friendly five-minute fast positioned component epoxy



Adhesion between electrical grade sheet and plastic axle center in heat-dissipation fans industry

Product Feature :

1. Having great adhesive ability for electrical grade sheet and plastic axle center, and can lower down the estimated individual noise value when running at high speed.
2. Adhesive will meet fair balance between adhesion of substrates and cohesion itself.
3. Adhesive has great weather resistance which can endure -40°C*500hr, 100°C*500hr, -40°C~85°C*240 cycles, 85°C*85%RH*240hr.

Product Model : JC666AB Series

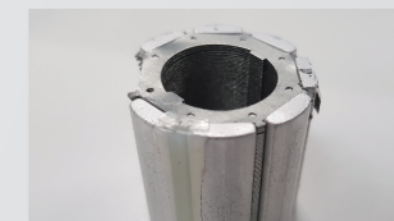


Brushless motor industry, magnetic, inner rotor, surface sticker, and embedded adhesion

Product Feature :

1. This product for substrates adhesion should be rigid because this product requires great high-temperature strength.
2. Complies to newest international environmental regulations, such as RoHS 2.0, Halogen Free, PFOA, PFOS, REACH.
3. One component epoxy resin, match up with magnets of all kinds of temperature tolerance level to design the baking temperatures, like the curing temperature of 100°C, 120°C, 130°C, 150°C products.
4. The adhesive had great weather resistance which can endure -40°C*500hr, 120°C*500hr, -40°C~85°C*240 cycles, 85°C*85%RH*240hr, salt spray 3%*240hr.

Product Model : JD380 Series, JC315 Series



The above series products are undergone strict high temperature long-term test. Here are the testing samples

① Bonding area : 25.4mm*10mm ② Specimen material : aluminium flake ③ Curing condition : 120 °C x 60 min ④ Tension speed : 5mm/ min ⑤ Uni of tensile strength : Kgf

Testing Temperature	High Temperature Strength					Heat and Cold Impact -40°C/30min~125°C/30min/100 cycles				
	25°C	80°C	100°C	120°C	150°C	Testing Specimen	Average Initial Strength	Specimen 1	Specimen 2	Specimen 3
Product A Pull value: Kgf	610	332	172	-	-	Product A Pull value: Kgf	610	552	637	599
Product B Pull value: Kgf	666	538	464	342	-	Product B Pull value: Kgf	666	779	772	716
Product C Pull value: Kgf	393	221	190	79	-	Product C Pull value: Kgf	393	363	394	373
Product D Pull value: Kgf	615	610	509	375	261	Product D Pull value: Kgf	615	642	651	666

Testing Specimen	Average Initial Strength	High Heat and High Humidity 85°C/85%RH/240hr			Thermal Cooling Cycle -40°C/30min~100°C/30min/100 cycles				
		Specimen 1	Specimen 2	Specimen 3	Testing Specimen	Average Initial Strength	Specimen 1	Specimen 2	Specimen 3
Product A Pull value: Kgf	610	323	349	337	Product A Pull value: Kgf	610	528	596	598
Product B Pull value: Kgf	666	649	596	580	Product B Pull value: Kgf	666	665	652	636
Product C Pull value: Kgf	393	321	242	276	Product C Pull value: Kgf	393	331	303	375
Product D Pull value: Kgf	615	430	443	392	Product D Pull value: Kgf	615	607	604	613