

## ET5136

### Two-component epoxy adhesive

ET5136 is a two-component, low temperature fast curable epoxy adhesive, which is halogen-free, good bonding strength, high toughness, and excellent impact resistance, suitable for most materials bonding, such as metal and ceramics.

#### TYPICAL UNCURED PROPERTIES

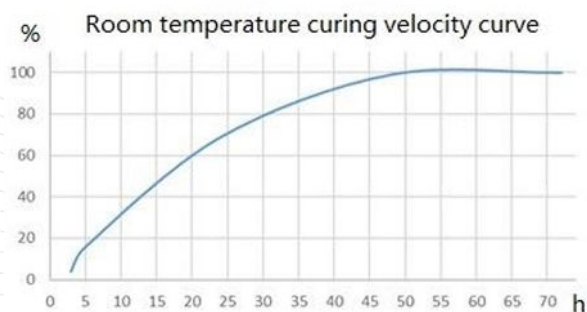
Properties	ET5136-A	ET5136-B
Appearance	White liquid	White liquid
Viscosity *25°C, cps	200,000-400,000	40,000-100,000
Specific gravity	1.5	1.5

#### TYPICAL CURING PROPERTIES

Properties	ET5136
Mix Ratio (A:B) by Volume	1 : 1
Density after mixed (g/cm <sup>3</sup> )	1.5
Viscosity *25°C, cps	180,000
Pot Life, 25°C, mins	10
Surface Dry Time, 25°C, hr	8
Through Cured Time, 25°C, hrs	24

#### ROOM TEMPERATURE CURING STRENGTH-TIME CURVE

The standard stainless steel sheet is bonded, the strength is tested after curing at 25°C for different times, and the strength percentage is calculated according to the final strength.



#### DIRECTION OF USE

1. Clean the bonding surface before use, remove the oil stains, and dust of the bonding surface. Please do not use alcohol, gasoline or paint cleaner.
2. If you want to have a high mechanical strength, adhesion to the surface by mechanical polishing, sandblasting or chemical corrosion treatment.
3. Mix the resin and curing agent proportionally, lay the mixture equalmente on two bonding surfaces, adhesive layer for 0.05mm.
4. The curing speed depends on the quantity of one-time mixture and ambient temperature, more mixture and higher temperature faster curing.
5. The remaining unmixed adhesive to be sealed, stored frozen in a cool dry place.

#### TYPICAL CURED PROPERTIES

Properties	ET5136
Hardness (Shore D)	70
Applicable temperature	-40°C ~ 120°C
<b>Shearing strength for different materials (Mpa)</b>	
Aluminum	14.6
PVC	5.3
ABS	4.3
<b>Electrical Performance</b>	
Dielectric constant/dielectric losses, 1KHz	3.3/0.02
Dielectric constant/dielectric losses, 100KHz	3.0/0.03
Dielectric strength (KV/mm)	26.5
Surface resistance (Ω)	1.9×10 <sup>15</sup>
Volume resistance (Ω·cm)	5.2×10 <sup>14</sup>

## ET5136

*Two-component epoxy adhesive*

### NOTICE

- Keep far away from children.
- It is recommended to use at well ventilated place.
- In case of contact with skin, rinse with soap water immediately. If contact with eyes, rinse with a plenty of clean water immediately and go to the hospital for an examination.

### PACKAGE

50ml/ 400ml Cartridge

### STORAGE

- Store the product in a clean and dry location in unopened containers at 8-28°C
- Shelf-life:12 months