

ET5125

High-performance Structural Bonding

ET5125 is a top-tier structural adhesive that consists of epoxy resin, filler, curing agent, and various additives. It exhibits exceptional bonding properties with a wide range of materials such as metal, PVC, ABS, polycarbonate, wood, glass, ceramics, and more. For specific usage guidelines and recommendations, we recommend reaching out to our technical team for further assistance. Additionally, it boasts excellent ease of use during application and can be cured effectively at ambient temperature.

FEATURES

- Strong adhesion to metal, PVC, ABS, polycarbonate, wood, glass, ceramics and other substrate
- Able to cure at room temperature
- Easy to handle

TYPICAL UNCURED PROPERTIES

Properties	ET5125A	ET5125B
Appearance	Viscous liquid	Viscous liquid
Color	Gray translucent	Yellowish-gray
Viscosity 25°C, ISO 3219, cps	60,000±5000	7,000±1000
Density, 25°C, ISO 2811-1, g/cm ³	1.22±0.05	1.05±0.05

TYPICAL CURING PROPERTIES *

Properties	Range
Mix ratio (A:B) by weight	100:43
Mix ratio (A:B) by volume	100:50
Density, 25°C, ISO 2811-1, g/cm ³	1.16±0.05
Pot Life 25°C, mins	90
Gel time, 25°C, mins	140
Though cure time, 25°C, hrs	24

A:B = 100g:43g

DIRECTION OF USE

- The surface of the sticky material will be cleaned.
- Mix the Part A and B evenly, apply to the surface of the adhesive, then butt the adhesive, press evenly, and cure at room temperature for 24h (or 65°C 12h).

- Two-component cartridge: Insert the cartridge into the applicator, press the applicator wrench lightly, press the piston into the cylinder, and then remove the lid of the cartridge and squeeze out a small amount of adhesive to ensure uniform glue discharge. If you need to mix the resin and hardener automatically (during the gluing process), please connect the mixing nozzle to the hose and extrude the glue to mix, if you need to mix manually, extrude the required amount of adhesive, mix thoroughly, and after about 15s, the color tends to be uniform and consistent.
- Bulk: mix the Part A and B evenly, apply to the surface of the adhesive, then butt the adhesive, press evenly, and cure at room temperature for 24h(or 65°C 12h).

TYPICAL CURED PROPERTIES *

Properties	Range
Shore Hardness, 25°C (ISO 868), Shore D	78±3
Glass transition temp,(DSC) °C	88±5
Tensile strength, ISO 527, MPa	38±5
Dielectric Strength, 25°C (IEC 60243-1), MV/m	25±2
Elongation at break, ISO 527, %	10±1

* Specimen Cure Condition: 60°C / 0.5hr

PACKAGING

Generally, it is packaged in 400mL double gel cartridges, but other packaging forms can also be used according to customer needs.

STORAGE AND SELF LIFE

Store in its original packaging, sealed in a dry, cool & well-ventilated indoor area or under a shelter below 25°C. The recommended storage period is 6 months from the date of manufacture.

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CAUTION

Some findings indicate a lack of potential for carcinogenicity with the compositions of this product by long term recurring application to the skin. However, contact with skin is likely to produce mild transient reddening. It is important to remove adhesive from skin with soap and water thoroughly. **DO NOT** use solvents for cleaning hands. This product is of moderate acute toxicity by swallowing. If swallowed, call a physician. Avoid contact with eyes. In case of contact, flush with water for at least 15 minutes and get medical attention immediately. For more information, refer to the Safety Data Sheet.

The data contained in this bulletin is provided only as a guide for evaluation/consideration. These material characteristics are typical properties that are based on a limited number of samples tested in the laboratory. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any product or method. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide.