



Adhesive

PU7052

GBA

Two Component Polyurethane Structural Adhesive

Product Highlights

- High strength
- Aging resistance
- Vibration fatigue resistance
- Low temperature corrosion resistance
- Low odor, low emissions
- Excellent flame retardant performance
- Suitable for bonding multiple materials

Product Applications

- adhesive between cells in batteries
- Adhesive bonding between two structural modules
- Adhesive and sealant for components

SPECIFICATIONS TABLE

Item	Unit	Index	Typical Value	Test Method
appearance	/	A: Black paste B: White paste	A: Black paste B: White paste	visual
density	g/cm ³	A: 1.40 ± 0.05 B: 1.40 ± 0.05	A: 1.37 B: 1.39	GB/T 533-2008
Viscosity	cps	A: 150,000~200,000 B: 150,000~200,000	A: 170,000 B: 160,000	GB/T 2794-2013 10 rpm
Mixing ratio	v/v	1:01	1:01	/
surface drying time	min	15~20	16	GB/T 13477.5-2002
hardness	Shore D	65 ± 5	65	GB/T 531.1-2008
Body tensile strength	MPa	≥ 8.0	10	GB/T 528-2009
elongation at break	%	≥ 40	70	GB/T 528-2009
tensile shear strength	MPa	≥ 15.0 (Al-Al)	15.7	GB/T 7124-2008
pull strength	MPa	≥ 11.5 (Al-Al)	17	GB/T 6329-1996

Packaging, Storage, and Shelf Life

We offer packaging options including 50 mL, 400 mL, and 600 mL two-component cartridges, as well as 20 L pails and 200 L drums, depending on customer requirements.

For best results, store the product in a cool, dry environment. The recommended shelf life is 6 months.

Improper storage conditions may impact the product's application performance and cured properties.

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Operation and Safety Guidelines

Surface Preparation:

Before applying the adhesive, clean the surface using gauze or appropriate tools to remove dust, loose particles, oil stains, and water marks. If rust is present, remove it with a wire brush, then clean the area using acetone or alcohol.

Primer and Cleaning Agent:

To ensure optimal adhesion, use the appropriate primers and cleaning agents. When applying these materials, make sure the coating is uniform, with no excess buildup or missed areas on the substrate surface.

Mixing:

PU7052, a two-component polyurethane structural adhesive, should be mixed using a static mixing tube.

Dispense and use the material

Apply the PU7052 adhesive using a pneumatic or electric dispensing gun, or other suitable application equipment, directly at the construction site.

Packaging, storage, and expiration date

We can provide 50 mL, 400 mL, and 600 mL two-component rubber hose packaging or 20 L small buckets and 200 L large buckets packaging according to customer requirements;

It is recommended to store in a cool and dry place for a storage period of 6 months;

Incorrect storage conditions can affect product application and performance after curing.