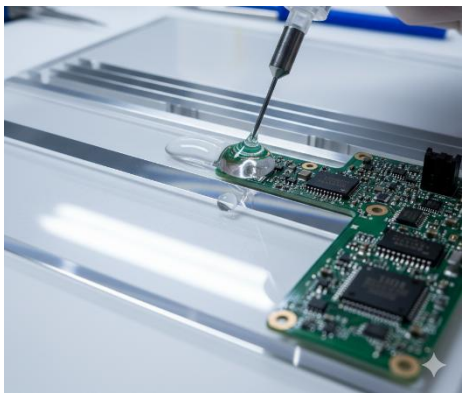

Adhesive PU-334UV

GBA

single component UV cured adhesive sealant

Descriptions

PU334UV is a one-component, UV-curable adhesive sealant formulated with polyurethane acrylic resin. It offers excellent chemical resistance, surface hardness, flexibility, and moisture resistance.
Curing is achieved under ultraviolet light, and the adhesive layer fluoresces under UV exposure, allowing for easy inspection. The product is compatible with selective coating equipment for precise application.

Product Highlights

- Suitable for bonding and sealing various substrates
- UV curing
- Under ultraviolet light, the material will exhibit fluorescence, making it easier to detect
- Excellent chemical and physical properties

SPECIFICATIONS TABLE

Item	Unit	PU334UV	Testing method
appearance	–	Colorless translucent fluid	visual
Solvent content	–	No non reactive solvents	–
Type of resin	–	Polyurethane acrylic resin	–
density	g/cm^3	1.10±0.05	GB/T 533-2008
viscosity	cps	10,000~20,000	GB/T 2794-2013, 10 rpm
Recommended light source	–	LED 365nm, UVA	–
Recommended UV curing intensity	mW/cm^2	500	–
Recommended UV curing time	s	10	–
Curing depth	um	>120	–
volume resistivity	ohm.cm	≥1X1014	GB/T 1410-2006
breakdown voltage	kV/mm	≥25	GB/T 1408.1-2006
hardness	Shore-D	75±5	GB/T 531.1-2008
shear strength	MPa	≥8(PC-PC)	GB/T 7124-2008

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Packaging

- Packaging can be customized based on customer requirements, including bulk containers and large barrels.

Storage and Shelf Life

- Recommended storage temperature: **-20°C** to maximize shelf life.
- As the product is photosensitive, avoid exposure to direct sunlight and full-spectrum fluorescent lighting.
- Improper storage conditions may negatively impact the product's performance and curing results.

Instructions for Use

• Surface Preparation

Before application, thoroughly clean the bonding area using gauze or suitable tools to remove dust, loose debris, oil, and moisture.
If rust is present, remove it with a wire brush, then wipe the surface with acetone or alcohol for optimal adhesion.

• Application

The adhesive can be applied using standard selective coating systems or manual spraying equipment. Ensure adequate ventilation during application to safely remove vapors and mist from the operator's environment.

Precautions

- Dispose of the sealant in accordance with local environmental regulations.
- Use only in well-ventilated areas to prevent inhalation of vapors or mist.
- Do not use wet application techniques. Avoid the use of solvents, water, cleaning agents, or soap-based solutions.
- Prevent contact with skin and eyes.

Pre-Test Recommendation

To avoid issues during application, it is recommended to perform preliminary testing using all intended materials. This helps in selecting the most suitable adhesive and determining the ideal surface preparation method to achieve optimal bonding performance.