

Product Manual(TDS)

Urethane acrylate BW 3100

Product introduction

BW 3100 is a polycarbonate type polyurethane acrylate. It has good adhesion, excellent flexibility, good boiling resistance and heat resistance, particularly suitable for plastics UV coating, vacuum electroplating, coating for shells and UV bonding adhesive and etc, it providing excellent chemical resistance and weather resistance to the coating film.

Product characteristics

Functional	2	Hardness	-
Active Ingredient (%)	100%	Proportion (25°C)	1.12
Appearance (25°C)	Transparent clear liquid	Shrinkage(%)	-
Viscosity (cps at 60°C)	40,000 - 65,000	Refractive Index(nd at 25°C)	1.48
Color (APHA)	≤ 60	Elongation At Break (%)	-
Acid Value (mg KOH/g)	≤ 1	Tensile Strength (MPa)	-

- Good flexibility;
- Fast curing speed;
- Excellent boiling resistance;
- Excellent chemical resistance;

Applications

- It is used in UV vacuum electroplating base coat and top coat, UV 3C coating, UV bonding adhesive and transfer adhesive.

Packaging

- In 20 kg plastic drums
- In 200 kg metal drums

Storage

- Store in a properly sealed container, away from sunlight and heat;
- At normal room temperature storage conditions, the product storage stability of at least 6 months;
- Low temperature or long-term storage, this product may form a false plastic layer;
- This rheological change can be restored by stirring or slight heating (up to 45°C);

It is especially suggested that the above data and suggestions are based on experimental data, but due to the uselessness of users, we can not provide any guarantee for the integrity and accuracy of the information.

We recommend that customers choose our products and adopt them. Determine their applicability before making our recommendations.

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