

Product Manual(TDS)

Urethane acrylate BW L429

Product introduction

BW L429 is a low viscosity, good toughness polyurethane acrylate with high transparency, fast curing speed, high hardness and excellent tensile strength. It is widely used in light curing 3D printing, UV nail varnish, UV ink, providing good toughness and tensile strength.

Product characteristics

Functional	2	Hardness	88D
Active Ingredient (%)	100%	Proportion (25°C)	1.20
Appearance (25°C)	Transparent clear liquid	Shrinkage(%)	6.1
Viscosity (cps at 60°C)	1,000 - 2,000	Refractive Index(nd at 25°C)	1.49
Color (APHA)	≤ 60	Elongation At Break (%)	9
Acid Value (mg KOH/g)	≤ 1	Tensile Strength (MPa)	60

- Low shrinkage;
- High hardness;
- Fast curing speed;
- Good tensile strength

Applications

- It is used in UV 3D printing, UV nail polish and UV ink.

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 (Maximum temperature 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.

