

Product Manual(TDS)

Urethane acrylate BW L427

Product introduction

BW L427 is a high tensile polyurethane acrylate with fast curing speed, high hardness, excellent toughness and tensile strength. Widely used in light curing 3D printing, UV coating, UV ink, providing good toughness, tensile strength.

Product characteristics

Functional	2	Hardness	85D
Active Ingredient (%)	100%	Proportion (25°C)	1.19
Appearance (25°C)	Transparent clear liquid	Shrinkage(%)	4.7
Viscosity (cps at 60°C)	2,500 - 3,500	Refractive Index(nd at 25°C)	1.52
Color (APHA)	≤ 60	Elongation At Break (%)	8
Acid Value (mg KOH/g)	≤ 1	Tensile Strength (MPa)	90

- Fast curing speed;
- High hardness;
- Low crystallinity;
- High tensile strength

Applications

- It is used in UV 3D printing, UV coating 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 (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.

