

Product Manual(TDS)

Urethane Acrylate BW L473

Product introduction

BW L473 is a low yellowing 2-functional aliphatic polyurethane acrylate with high hardness and good toughness. It provides low shrinkage, excellent yellowing resistance, and strong toughness, making it particularly suitable for applications such as high transparency 3D printing, UV crystal resin, UV coating, and other related fields..

Product characteristics

Functional	2	Hardness	90D
Active Ingredient (%)	100%	Proportion (25°C)	1.14
Appearance (25°C)	Transparent clear liquid	Shrinkage(%)	-
Viscosity (cps at 60°C)	30,000 - 50,000	Refractive Index(n_d at 25°C)	1.49
Color (APHA)	≤ 60	Elongation At Break (%)	-
Acid Value (mg KOH/g)	≤ 1	Tensile Strength (MPa)	

- Low shrinkage;
- Excellent toughness;
- Good hardness;
- Low yellowing;

Applications

- It is used in high transparency 3D printing materials, UV crystal resin, and UV coatings.

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.

