

Product Manual(TDS)

Urethane acrylate BW L4100

Product introduction

BW L4100 is a washable aliphatic polyurethane acrylate. It is particularly suitable for light-curing 3D printing, UV anti-fog coatings, UV inks and other fields. It provides excellent toughness and hydrophilicity to the coating film.

Product characteristics

Functional	2	Hardness	52D
Active Ingredient (%)	100%	Proportion (25°C)	1.14
Appearance (25°C)	Transparent clear liquid	Shrinkage(%)	9.54
Viscosity (cps at 60°C)	1,500 - 4,000	Refractive Index(n_d at 25°C)	1.49
Color (APHA)	≤ 60	Elongation At Break (%)	69
Acid Value (mg KOH/g)	≤ 1	Tensile Strength (MPa)	13

- Good hydrophilicity;
- Good flexibility;
- Low odor;

Applications

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

