

Product Manual(TDS)

Urethane acrylate BW L418-3

Product introduction

BW L418-3 is a two-functional aliphatic polyurethane acrylate, especially suitable for optical adhesives, electronic adhesives, and 3D printing, etc. It has good adhesion to PC, high tensile strength, and excellent tensile and ductile properties.

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)	8,000 - 18,000	Refractive Index(nd at 25°C)	1.48
Color (APHA)	≤ 60	Elongation At Break (%)	-
Acid Value (mg KOH/g)	≤ 2	Tensile Strength (MPa)	-

- High tensile strength;
- Good flexibility;
- Excellent hydrolysis resistance;
- Good adhesive.

Applications

- It is used in optical adhesives, electronic adhesives, and 3D printing.

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.

