

Product Manual(TDS)

Urethane acrylate BW L8449M-1

Product introduction

BW L8449M-1 is a HEMA-free aliphatic polyurethane acrylate, featuring good adhesion, fast curing speed, outstanding glossiness, and toughness. It provides good toughness and adhesion, making it particularly suitable for applications such as adhesives, nail polish for one-step extension gel, inks, and other related fields.

Product characteristics

Functional	2	Hardness	-
Active Ingredient (%)	100%	Proportion (25°C)	1.05
Appearance (25°C)	Transparent clear liquid	Shrinkage(%)	-
Viscosity (cps at 25°C)	7,000 - 15,000	Refractive Index(nd at 25°C)	1.48
Color (APHA)	≤ 60	Elongation At Break (%)	-
Acid Value (mg KOH/g)	7 - 14	Tensile Strength (MPa)	-

- HEMA free;
- Good toughness;
- Good adhesion;
- Fast curing speed;

Applications

- It is used in UV nail polish for one-step extension gel, UV ink, UV adhesives.

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.

