

Product Manual(TDS)

Urethane acrylate BW L847M

Product introduction

BW L847M is an aliphatic urethane acrylate characterized by being HEMA-free, low shrinkage, high hardness, excellent transparency, and fast curing speed. It is mainly used in UV nail polish extension gel, owing to its good interlayer adhesion, high transparency in colloid form, and non-yellowing properties.

Product characteristics

Functional	2	Hardness	88D
Active Ingredient (%)	100%	Proportion (25°C)	1.09
Appearance (25°C)	Transparent clear liquid	Shrinkage(%)	-
Viscosity (cps at 25°C)	15,000 - 25,000	Refractive Index(nd at 25°C)	1.49
Color (APHA)	≤ 60	Elongation At Break (%)	-
Acid Value (mg KOH/g)	≤ 1	Tensile Strength (MPa)	-

- High hardness;
- Fast curing speed;
- Excellent transparency between the film layer;

Applications

- It is used in LED UV nail polish extension gel, light source UV ink, UV adhesive, and more.

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.

