

Product Manual(TDS)

Urethane acrylate BW L845M

Product introduction

BW L845M is an aliphatic urethane acrylate, featuring HEMA-free, low heat release, good toughness, and high transparency. It provides good interlayer adhesion and toughness, making it particularly suitable for nail polish extension gel. When made into colloid, it exhibits the appearance characteristic of no yellowing and strong transparency.

Product characteristics

Functional	2	Hardness	80D
Active Ingredient (%)	100%	Proportion (25°C)	1.17
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)	-

- Low heat release;
- Strong transparency;
- Good toughness;

Applications

- It is used in LED UV nail polish extension gel, UV adhesive, 3D printing, 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.

