



Product Manual(TDS)

Urethane acrylate BW L863

Product introduction

BW L863 is an aliphatic polyurethane acrylate with low energy curing system of LED UV lamp, has a balanced character of flexibility and toughness. Mainly used in nail polish color adhesive layer, and has good interlayer adhesion and curing speed, made into a gel body appear transparent crystal, no yellow phase and other excellent appearance characteristics.

Product characteristics

Functional	2.5	Hardness	-
Active Ingredient (%)	100%	Proportion (25°C)	-
Appearance (25°C)	Transparent clear liquid	Shrinkage(%)	-
Viscosity (cps at 60°C)	-	Refractive Index(n_d at 25°C)	-
Color (APHA)	≤60	Elongation At Break (%)	-
Acid Value (mg KOH/g)	-	Tensile Strength (MPa)	-

- Excellent gloss retention;
- Good interlayer adhesion;
- Good pigment wettability, no delamination;
- Fast curing speed under LED UV lights;

Applications

- It is used in LED UV nail polish color layer, UV ink.
- Providing good hardness and abrasion resistance, as well as toughness and chemical resistance.

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.

