

## Product Manual(TDS)

### Urethane acrylate BW L843

#### transmittance

#### Product introduction

**BW L843** is an aliphatic polyurethane acrylate with low energy curing system of LED UV lamp. It has the characteristics of low shrinkage, good balance of hardness and toughness, excellent transparency and fast curing speed. Mainly used in nail polish extension layer, and has good interlayer adhesion, hardness and toughness. The colloid has strong light transmission and no yellow phase.

#### Product characteristics

Functional	2	Hardness	84D
Active Ingredient (%)	100%	Proportion (25°C)	1.09
Appearance (25°C)	Transparent clear liquid	Shrinkage(%)	-
Viscosity (cps at 60°C)	15000-23000	Refractive Index( $n_d$ at 25°C)	1.49
Color (APHA)	≤60	Elongation At Break (%)	-
Acid Value (mg KOH/g)	≤1	Tensile Strength (MPa)	-

- Low heat release;
- Low shrinkage;
- High transmittance;
- Good toughness;

#### Applications

- It is used in LED UV nail polish extension layer, 3D printing, 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 ( 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.**

