

## Product Manual(TDS)

### Urethane acrylate BW L864

#### Product introduction

**BW L864** is an aliphatic polyurethane acrylate with low energy curing system for LED UV lamps. It has characteristics of good yellowing resistance, balanced flexibility and toughness. Mainly used in nail polish color layer and spider gel, UV ink, and has good interlayer adhesion and surface drying.

#### Product characteristics

|                         |                          |                              |      |
|-------------------------|--------------------------|------------------------------|------|
| Functional              | 2.5                      | Hardness                     | -    |
| Active Ingredient (%)   | 100%                     | Proportion (25°C)            | 1.21 |
| Appearance (25°C)       | Transparent clear liquid | Shrinkage(%)                 | -    |
| Viscosity (cps at 60°C) | 11000-21000              | Refractive Index(nd at 25°C) | 1.53 |
| Color (APHA)            | ≤60                      | Elongation At Break (%)      | -    |
| Acid Value (mg KOH/g)   | ≤60                      | Tensile Strength (MPa)       | -    |

- Low odor;
- Excellent gloss retention;
- Good pigment wettability, no lamination;
- Fast curing speed;

#### Applications

- It is used in LED UV nail polish color layer, nail polish spider gel, UV ink.

#### 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.**

