

## Product Manual(TDS)

### Urethane acrylate BW L8450M

#### Product introduction

**BW L8450M** is a HEMA-free aliphatic urethane acrylate characterized by low heat release, good toughness, and high transparency. It is particularly suitable for applications such as nail polish extension gels, as it provides excellent interlayer adhesion, maintains high toughness, and exhibits outstanding transparency and non-yellowing properties when formulated into colloids.

#### Product characteristics

|                         |                          |                              |      |
|-------------------------|--------------------------|------------------------------|------|
| Functional              | 2                        | Hardness                     | 82D  |
| Active Ingredient (%)   | 100%                     | Proportion (25°C)            | 1.17 |
| Appearance (25°C)       | Transparent clear liquid | Shrinkage(%)                 | -    |
| Viscosity (cps at 25°C) | 5,000 - 10,000           | 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.**

