



## Product Manual(TDS)

### Urethane acrylate BW 8003

#### Product introduction

**BW 8003** is a trifunctional aliphatic polyurethane acrylate. It has excellent weathering resistance, good toughness and reaction speed. It is suitable for 3C coatings, handfeel UV coatings and UV adhesives.

#### Product characteristics

|                         |                          |                                  |      |
|-------------------------|--------------------------|----------------------------------|------|
| Functional              | 3                        | Hardness                         | -    |
| Active Ingredient (%)   | 100%                     | Proportion (25°C)                | 1.15 |
| Appearance (25°C)       | Transparent clear liquid | Shrinkage(%)                     | -    |
| Viscosity (cps at 25°C) | 18000-38000              | Refractive Index( $n_d$ at 25°C) | 1.49 |
| Color (APHA)            | $\leq 60$                | Elongation At Break (%)          | 58   |
| Acid Value (mg KOH/g)   | $\leq 3$                 | Tensile Strength (MPa)           | 17   |

- Fast curing speed;
- Good weathering resistance;
- Good toughness;
- Good vibration and abrasion resistance;

#### Applications

- It is used in 3C UV coating, special for mobile phones, UV coatings for automotive interior decoration parts, and UV handfeel elastic paints.

#### 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.**

