

## Product Manual(TDS)

### Urethane acrylate BW L437

#### Product introduction

**BW L437** is a special wax modified two-functional acrylate. It has the characteristic of low shrinkage, fast curing speed, high strength, low odor, high temperature or full combustion state produces fluid liquid, no solid residue, etc., and is very suitable for 3D printing lost wax casting applications.

#### Product characteristics

|                         |                          |                                  |      |
|-------------------------|--------------------------|----------------------------------|------|
| Functional              | 2                        | Hardness                         | 75D  |
| Active Ingredient (%)   | 100%                     | Proportion (25°C)                | 1.10 |
| Appearance (25°C)       | Transparent clear liquid | Shrinkage(%)                     | 7.2  |
| Viscosity (cps at 25°C) | 400-800                  | Refractive Index( $n_d$ at 25°C) | 1.49 |
| Color (APHA)            | ≤ 60                     | Elongation At Break (%)          | 40   |
| Acid Value (mg KOH/g)   | ≤ 2                      | Tensile Strength (MPa)           | 10   |

- Low shrinkage;
- Good resistance to cracking;
- Fast curing speed;
- Less ash after combustion.

#### Applications

- It is used in UV 3D printing, UV nail polish and 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.**

