

## Product Manual(TDS)

### Urethane acrylate BW L840

#### Product introduction

**BW L840** is an aliphatic polyurethane acrylate with low viscosity, low heat release, good toughness, high permeability, fast curing speed and other characteristics. Mainly used in nail polish extension layer, and has good interlayer adhesion, hardness and toughness. The colloid permeability is strong and has no yellow phase.

#### Product characteristics

Functional	2.5	Hardness	-
Active Ingredient (%)	100%	Proportion (25°C)	1.08
Appearance (25°C)	Transparent clear liquid	Shrinkage(%)	-
Viscosity (cps at 60°C)	3000-5000	Refractive Index( $n_d$ at 25°C)	1.48
Color (APHA)	≤60	Elongation At Break (%)	-
Acid Value (mg KOH/g)	≤1	Tensile Strength (MPa)	-

- Low heat release;
- Low viscosity;
- Strong permeability;
- 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 (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.**

