

Product Manual(TDS)

Polyurethane acrylate BW L436

Product introduction

BW L436 is a non-yellowing, difunctional aliphatic polyurethane acrylate, characterized by low color value, good leveling, strong yellowing resistance, excellent adhesion, and high toughness. It offers outstanding toughness and anti-yellowing performance, making it especially suitable for applications such as 3D printing and UV coatings requiring resistance to yellowing.

Product characteristics

Functional	2	Hardness	-
Active Ingredient (%)	100%	Proportion (25°C)	1.12
Appearance (25°C)	Transparent clear liquid	Shrinkage(%)	-
Viscosity (cps at 25°C)	40,000 - 60,000	Refractive Index(nd at 25°C)	1.49
Color (APHA)	≤ 60	Elongation At Break (%)	-
Acid Value (mg KOH/g)	≤ 1	Tensile Strength (MPa)	-

- Low color number;
- Good toughness;
- Good adhesion;
- Good yellowing resistance;

Applications

- It is used in 3D printing, UV plastic spraying, UV wooden coating, UV inks, 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.



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