Product Manual(TDS)

Urethane acrylate BW 8040-3

Product introduction

BW 8040-3 is a tetrafunctional polyurethane acrylate, characterized by its non-lifting properties, high hardness, rapid curing speed, and fast-wrinkling effect. It delivers strong adhesion and fast surface dryness of the coating film, making it particularly suitable for applications such as UV excimer coatings, furniture coatings, and related fields.

Product characteristics

Functional	4	Hardness	-
Active Ingredient（%）	100%	Proportion（25℃）	1.12
Appearance（25℃）	Clear transparent liquid	Shrinkage(%)	-
Viscosity（cps at 25℃）	200 - 500	Refractive Index(nd at 25℃)	1.50
Color（APHA）	≤ 60	Elongation At Break（%）	-
Acid Value（mg KOH/g）	≤ 2	Tensile Strength（MPa）	-

- No lifting;
- High hardness;
- Fast wrinkling;

Applications

- It is used in excimer coating, UV lacquers for furniture and wooden floor, 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 (maximum temperature 45℃);

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.