



Product Manual(TDS)

Urethane acrylate BW 8300

Product introduction

BW 8300 is a low yellowing aliphatic polyurethane acrylate with balanced toughness and hardness. It is particularly suitable for plastic paints, UV adhesives and nail varnishes, providing good scratch resistance, excellent abrasion resistance and good resistance to yellowing.

Product characteristics

Functional	6	Hardness	-
Active Ingredient (%)	100%	Proportion (25°C)	1.17
Appearance (25°C)	Clear transparent liquid	Shrinkage(%)	-
Viscosity (cps at 30°C)	45000-70000	Refractive Index(n_d at 25°C)	1.49
Color (APHA)	≤ 60	Elongation At Break (%)	-
Acid Value (mg KOH/g)	≤ 1	Tensile Strength (MPa)	-

- High hardness and abrasion resistance;
- Good alkali and chemical resistance;
- Good fullness and leveling;
- Low yellowing;

Applications

- It is used in UV spraying of plastics (e.g. ABS, PC, PMMA), as well as low yellowing and high leveling UV top coating, UV transfer adhesives and UV nail polish.

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.

