Product Manual(TDS)

Urethane acrylate BW 8099

Product introduction

BW 8099 is an aliphatic polyurethane acrylate with good hardness and abrasion resistance. It is particularly suitable for UV PET film harden coating, UV parquet paint and UV ink, providing excellent steel wool resistance effect, high scratch resistance, hardness and abrasion resistance for the paint film.

Product characteristics

Functional	15	Hardness	-
Active Ingredient（%）	100%	Proportion（25℃）	1.20
Appearance（25℃）	Clear transparent liquid	Shrinkage(%)	-
Viscosity（cps at 40℃）	20000-40000	Refractive Index(n_d at 25℃)	1.50
Color（APHA）	≤60	Elongation At Break（%）	-
Acid Value（mg KOH/g）	≤2	Tensile Strength（MPa）	-

- Good balance between toughness and high hardness;
- Excellent scratch and abrasion resistance;
- Good adhesion to horniess PET;
- Excellent resistance to steel wool;

Applications

- It is used in vacuum plating, UV-hardening coating, UV lacquers for furniture and parquet, UV ink, etc.

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℃);

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.