



YT-613 Silicone-Modified Waterborne Polyurethane Resin

OVERVIEW

YT-613 is a silicone-modified waterborne anionic aliphatic polyurethane dispersion independently developed by our company. The emulsion is eco-friendly — free of formaldehyde, nonylphenol, heavy metals, PAHs and DMF. It offers good mechanical properties, forms smooth, transparent films with high gloss, and is light-fast and yellowing-resistant. Suitable for leather finishing with good adhesion on PVC and PET, it is widely used in waterborne inks and various plastic coatings.

KEY SPECS

Appearance	Transparent liquid	Solid content	35 ± 1%
pH value	6.0 – 8.0	Modulus	6.0 – 8.0 MPa
Viscosity (30 °C)	≤ 300 mPa·s	Tensile strength	≥ 20 MPa
Elongation at break	≥ 400%	Water absorption (24 h, 25 °C)	4 – 5%

KEY FEATURES

- ✓ Eco-friendly emulsion — free of formaldehyde, nonylphenol, heavy metals, PAHs and DMF
- ✓ Good mechanical properties
- ✓ Smooth, transparent film formation with high gloss
- ✓ Light-fast and yellowing-resistant

APPLICATIONS

- ✓ Leather finishing
- ✓ PVC and PET substrate coatings
- ✓ Waterborne inks and various plastic coatings

STORAGE

Store in a cool, dry, well-ventilated place at 5–30 °C; shelf life 6 months. Avoid freezing and light. Transport as non-hazardous goods. Packaging 50 kg / 120 kg plastic drum