



YT-206 High-Elasticity Soft Aliphatic Waterborne Polyurethane Dispersion

OVERVIEW

YT-206 is a self-developed high-performance aliphatic waterborne polyurethane dispersion. It forms transparent films with excellent softness and elasticity and superior adhesion to nylon substrates. The product is safe and eco-friendly, non-toxic and odor-free, suitable for coatings on genuine leather, synthetic leather, printing paste, fabrics and other flexible substrates — especially down jacket fabrics. Eco-compliance meets EU, US and Japanese standards (test reports available on request).

KEY SPECS

Appearance	Milky white liquid with blue tint	Solid content	30 ± 1%
pH value	6.5 – 7.0	100% modulus	1.0 – 1.5 MPa
Tensile strength	4 – 5 MPa	Elongation at break	≥ 1200%

KEY FEATURES

- ✓ Eco formula free of formaldehyde, NPEO, heavy metals, PAHs and DMF
- ✓ Transparent film with exceptionally soft hand-feel and ≥1200% elongation
- ✓ Excellent weatherability, anti-yellowing and nylon adhesion

APPLICATIONS

- ✓ Down jacket fabric & down-proof coatings
- ✓ Nylon and textile soft-substrate coatings
- ✓ Genuine leather, synthetic leather & printing paste

APPLICATION NOTES

Adding YotoChem crosslinker improves fastness but may affect hand-feel; crosslinked paste must be used within 24 hours. Built on special hydrolysis-resistant polyester technology — dry films resist hydrolysis well, but the dispersion slowly hydrolyzes during storage; use soon after purchase.

STORAGE

Store at 5–30 °C; avoid freezing, high temperatures and direct sunlight. Shelf life 6–12 months. Packaging 50 kg / 120 kg plastic drum