



YT-255C Nonionic Associative PU Thickener (HEUR)

OVERVIEW

YT-255C is a nonionic, hydrophobically-modified high-shear polyurethane leveling and thickening agent (HEUR). It imparts excellent flow, leveling, gloss development, film formation and high-shear viscosity to waterborne coatings. Tin-free and toluene-free, it is an eco-friendly rheology modifier suitable as a drop-in alternative to PS166. It performs well in waterborne coatings on plastic, metal, glass, wood and rubber, latex paints, industrial coatings, printing inks, adhesives and petrochemical water-treatment systems.

KEY SPECS

Appearance	Milky white to light yellow transparent liquid	Solid content	20% / 40%
pH value	6 – 8	Viscosity	≤ 30,000 mPa·s
Recommended dosage	0.5 – 2.0% of formula		

KEY FEATURES

- ✓ Outstanding rheology, leveling and high-shear thickening — ideal when both are required
- ✓ Excellent brush feel, anti-spatter roller coating, water/alkali/scrub and stain resistance
- ✓ pH-independent; add at any production stage — no pre-dilution or neutralization required
- ✓ Uniform film thickness and fullness without compromising gloss

APPLICATIONS

- ✓ Waterborne industrial coatings (plastic, metal, glass, wood, rubber)
- ✓ Latex paints & architectural coatings
- ✓ Waterborne printing inks & adhesives
- ✓ Petrochemical water-treatment systems

STORAGE

Store at 5–30 °C in a cool, dry, well-ventilated place; shelf life 12 months. Avoid freezing and direct light. Packaging 50 kg / 120 kg plastic drum