



# YT-1155 High-Solid Tough Elastic Waterborne Polyurethane Resin

## OVERVIEW

YT-1155 is a self-developed anionic aliphatic waterborne polyurethane dispersion with 55% solid content. It is eco-friendly and non-toxic, forms smooth films with good gloss, strength and extensibility. It is widely used in printing paste, thick-plate paste, waterborne leather finishes and elastic material surface treatment.

## KEY SPECS

|                         |                    |                            |                   |
|-------------------------|--------------------|----------------------------|-------------------|
| <b>Appearance</b>       | Milky white liquid | <b>Solid content</b>       | 55 ± 2%           |
| <b>pH value</b>         | 7 – 8              | <b>Viscosity</b>           | 200 – 1,200 mPa·s |
| <b>100% modulus</b>     | 1.5 MPa            | <b>Elongation at break</b> | ≥ 1,300%          |
| <b>Tensile strength</b> | ≥ 25 MPa           |                            |                   |

## KEY FEATURES

- ✓ High solid content (55%) with strong toughness and elasticity
- ✓ Smooth films with good gloss, strength and extensibility (≥1300%)
- ✓ Eco-friendly grade for paste, leather and elastic substrates

## APPLICATIONS

- ✓ Printing paste & thick-plate paste
- ✓ Waterborne leather finishing
- ✓ Elastic material surface treatment

## 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