



YT-X51 Waterborne Silicone-Modified Polyester Self-Matting Resin

OVERVIEW

YT-X51 is a self-developed waterborne polyester silicone-modified aliphatic self-matting resin. The eco-friendly emulsion is medium-soft in character, offering excellent matting performance and black haze with a full, oily-smooth touch, and withstands high-temperature baking at 240 °C. It is suitable for co-formulation with surface finishing agents for solvent-free leather, microfiber leather, PU leather, PVC leather and calendered leather.

KEY SPECS

Appearance	Milky white viscous liquid	Solid content	30 ± 1%
pH value	6.0 – 8.0	Ion type	Anionic
Viscosity (25 °C)	100 – 300 mPa·s	Dispersion medium	Deionized water / NMP

KEY FEATURES

- ✓ Medium-soft waterborne polyester silicone-modified aliphatic self-matting resin
- ✓ Excellent matting and black haze with a full, oily-smooth touch
- ✓ Withstands high-temperature baking at 240 °C
- ✓ Compatible for co-formulation with finishing agents for solvent-free, microfiber, PU, PVC and calendered leather

APPLICATIONS

- ✓ Leather surface finishing agents
- ✓ Paper inks
- ✓ Textile coatings

APPLICATION NOTES

Adjust for your application as needed. Stir thoroughly before use and filter through a 150-mesh screen before application. When adding auxiliaries or tinting, test in advance and confirm before bulk use.

STORAGE

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