YT-1128 Self-Crosslinking Aromatic Waterborne Polyurethane Resin

OVERVIEW

YT-1128 is a self-developed anionic aromatic waterborne polyurethane resin with built-in self-crosslinking functionality. On synthetic leather substrates it achieves wet-heat anti-tack ≥ Grade 3.5 without adding aziridine crosslinker, with a dry surface feel and excellent color development. It is suitable for bag leather and apparel leather, printing paste, printing inks and leather finishing. For knife-coating, a flow time of 10–13 s and a coat weight of 100–150 g/m² are recommended. Formulations can be adjusted for specific applications.

KEY SPECS

Appearance	Milky white liquid	**Solid content**	27 ± 1%
pH value	6 – 8	**Ion type**	Anionic
100% modulus	1.5 – 3 MPa	**Tensile strength**	≥ 10 MPa
Elongation at break	≥ 400%		

KEY FEATURES

- ✓ Self-crosslinking; wet-heat anti-tack ≥ Grade 3.5 without aziridine crosslinker
- ✓ High elasticity and tensile strength with dry surface feel
- ✓ Suitable for knife coating (10–13 s; 100–150 g/m²)

APPLICATIONS

✓ Bag leather & apparel leather ✓ Printing paste & waterborne printing inks
✓ Leather finishing & synthetic leather surface treatment

APPLICATION NOTES

> Do not mix with cationic paste or solvent-based paste.

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