

## Waterborne polyurethane resin dispersion

### RS-T1992

#### Characteristics and Advantages:

The water-based ethylene acrylic acid copolymer is a thermoplastic polymer with extremely high adhesive properties. Due to the presence of carboxyl groups and hydrogen bonds, the crystallinity of the polymer is suppressed, and the linear structure of the main chain is disrupted. As a result, the transparency and toughness of EAA are enhanced, while the melting point and softening point are reduced.

1. This product is purely water-based and environmentally friendly;
2. Excellent film-forming property and adhesion;
3. Excellent barrier properties, heat sealing strength.

#### Product Specifications:

Appearance	Translucent liquid
Solid content	25%± 1
pH value	6.0-8.0
Viscosity value (MPa.s)	≤200(20℃)
Membrane tensile strength (MPa)	20~25
Percent modulus (MPa)	6~8
Break elongation (%)	150~200

#### Application suggestions:

1. On paper or aluminum foil and other substrates, it can replace PE laminating film as a waterproof and anti-seepage treatment product for paper. It has excellent anti-seepage effect, high brightness, and good mechanical stability and aging resistance.
2. As a binder for water-based inks, it can enhance gloss and absorbency, has excellent washability and pigment usability, and can be used for thermal transfer printing.

3. PET/BOPP films have good adhesion. Under long-term high-temperature conditions, the viscosity and stability of the emulsion remain good, and it can replace current fluorine-based anti-oil agents, PE laminating films, and wax-based anti-oil agents.

**Usage suggestions:**

Do not mix with other adhesives of different properties.

**Storage:**

This product should be stored at 5-30 degrees Celsius. Avoid freezing, high temperature, and direct sunlight exposure. It can be stored for 12 months.