

Waterborne polyurethane resin dispersion

RS-T12152

Characteristics and Advantages:

Composition: Anionic polycarbonate type water-based polyurethane dispersion.

1. The emulsion is environmentally friendly, free of formaldehyde, nonylphenol, heavy metals, polycyclic aromatic hydrocarbons and DMF, etc. toxic substances.
2. The film has excellent gloss and hardness in the coating.
3. The coating has good water resistance, solvent resistance and also has good abrasion resistance.
4. This series of products can be used as coatings for metals, plastics, glass, and can also be used as surface coatings for genuine leather and synthetic leather.

Product Specifications:

Appearance	Translucent emulsion
Solid content	45 ± 1%
pH value	6.0~8.0
Modulus (MPa)	12.0~15.0
Viscosity value (MPa.s)	≤300(25℃)
Tensile strength (MPa)	30~35
Break elongation (%)	≥ 400
Water absorption rate%	2%~4%(24 hours 25℃)

Usage Suggestions:

1. If there is a requirement for high water resistance, it is recommended to add 1% to 5% of the curing agent. After the two components are mixed well, stir evenly before use.
2. Do not mix with other adhesives of different properties.
3. It can be used in combination with other types of anionic polyurethanes produced by our company.

Storage:

This product should be stored at a temperature range of 5 to 30 degrees Celsius.

Avoid freezing, high temperature, and direct sunlight exposure; storage period: 6 months.