

Durle® SI-309 Water-based Polyamide-imide(PAI) Dispersion

Product Durle® Water-based polyamide-imide(PAI) dispersion SI-309 is developed by Quark to meet

Introduction the high-end market demand for water-borne non-stick coatings. This product does not contain materials such as organic amines that are prone to yellowing under high temperatures. Non-stick coatings made with this material exhibit a blue-shaded color that remains highly stable without developing yellow tones.

It offers high gloss, high hardness (particularly thermal hardness), exceptional wear resistance, and superior corrosion resistance in water-borne coatings, making it the specialty engineering material with the best overall performance currently available for water-based non-stick coatings.

※ The solvent components of this resin include water, NMP, and other mixed solvents.

Application

- ✓ Water-based high temperature resistant coatings.
- ✓ Water-based high temperature resistant adhesives.
- ✓ Enameled wire.

Product	Appearance:	Yellow liquid
Index	Viscosity:	100-300cps
	pH:	5.00-7.00
	Specific Gravity:	1.00-1.20
	Solid Content:	20.00%-22.00%
	Fineness:	≤15um

Method of application It can be ground with pigments as well as added as the primary resin.

Storage Store at temperatures between -5°C to 40°C, protected from direct sunlight. Shelf life: 12 months (unopened).

Packaging 50kg/plastic drum; 200kg/plastic drum

Discharge Do not discharge it into the wastewater system, put it in a specific container for professional disposal.

Emergency treatment 1. In case of leakage or spillage, collect it in a container and clean the ground pollutants with a cloth.

2. If this product accidentally come into contact with the eyes, rinse immediately with plenty of water for at least 15 minutes. If discomfort persists, seek medical attention immediately.

3. If this product comes into contact with the skin, wash with water and soap. Seek medical attention immediately if discomfort occurs.

4. If discomfort occurs from accidental inhalation of spray, move to fresh air immediately and seek medical attention without delay