

Durle® SI-601 Environmentally Friendly Water-based Polyamide-imide(PAI) Dispersion

Product Durle® SI-601 Environmentally Friendly Water-based Polyamide-imide (PAI) Dispersion is an

Introduction environmentally compliant high-performance resin material developed by Quark. It is engineered to eliminate EU REACH-regulated solvents such as NMP and contains no yellowing-prone materials like organic amines. Functional coatings (including non-stick coatings) produced with this material exhibit a stable bluish hue without yellowing tendencies.

This product offers exceptional high gloss, high hardness (particularly hot hardness), superior wear resistance, and excellent corrosion resistance among water-based coatings. It represents the top-tier specialty engineering material currently available for water-based non-stick coatings, delivering unmatched comprehensive performance.

※ The solvent composition of this dispersion consists of water and N-butylpyrrolidone.

Application

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

Product	Appearance:	Yellow liquid
Index	Viscosity:	500-1,500cps
	pH:	3.00-5.00
	Specific Gravity:	1.00-1.20
	Solid Content:	20.00-22.00%
	Fineness:	≤15μm

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
----------------------------	---