

Durle® SI-308 Water-based Polyamide-imide(PAI) Dispersion

Product Durle® SI-308 Water-based polyamide-imide(PAI) dispersion is a high-performance resin

Introduction material developed by Quark. It contains no materials prone to yellowing at high temperatures, such as organic amines. Non-stick coatings produced with this material exhibit a stable bluish tint without developing yellow undertones.

This resin delivers exceptional high gloss, high hardness (particularly hot hardness), outstanding wear resistance, and superior corrosion resistance within water-based coating systems. It is recognized as the highest-performing specialty engineering material currently available for water-based non-stick coatings, offering comprehensive advantages in overall performance.

※ The solvent composition of this dispersion includes water, NMP, and other co-solvents.

Application

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

Product	Appearance:	Yellow liquid
Index	Viscosity:	1,000-3,000cps
	pH:	2.00-5.00
	Specific Gravity:	1.00-1.20
	Solid Content:	20.00-22.00%
	Fineness:	≤15μm
	Tg:	277°C
	Temperature Resistant(long-term):	220°C

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