

Dispersant DCA-5812

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Introduction

DCA-5812 is a polymer dispersant based on controlled polymerization technology. It has excellent wetting and dispersing abilities for various organic pigments and carbon black. It has strong viscosity reduction capabilities and an excellent ability to prevent flocculation and re-coarsening, greatly enhancing the storage stability of well-ground color pastes. It is particularly suitable for UV inkjet systems.

Physicochemical Data

- Chemical composition: High-molecular block copolymer containing pigment-affinitive groups
- Appearance: Brown transparent liquid
- Active content: 100%
- Solvent: None

Product features

- Significantly improves wetting and dispersing ability of the base material for pigments and fillers.
- Reduces system viscosity and enhances flow properties.
- Shortens grinding and dispersion time, working even better with pigment-derived viscosity reducers.
- With good compatibility with common coating resins.

Application areas

Suitable for two-component polyurethane, alkyd, acrylic, polyester, amino baking paints, and other solvent-based coatings.

Addition Method

The dosage varies based on different systems:

- **Inorganic pigments:** 10%-15%
- **Organic pigments:** 30%-50% (depending on the specific surface area of the pigment)
- **Carbon black:** 70%-100%

Packaging and storage:

25KG plastic pail, stored in a cool and dry place.

Note: The purpose of this manual is to provide basic product information to technical personnel involved in the development of coatings, inks, pesticides, and other industries. It is intended for research and reference use and does not carry any warranties. Please conduct preliminary tests to assess its suitability.