

Super Dispersant DCA-5946

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Introduction

DCA-5946 is a high molecular weight superdispersant containing multiple anchoring groups, exhibiting excellent wetting and dispersing capabilities for various organic pigments and carbon black. It significantly reduces the operational viscosity of grinding systems, increases pigment loading, and has a strong ability to prevent flocculation and coarsening, greatly enhancing the storage stability of well-dispersed color pastes and ensuring that single pigment pastes do not exhibit floating colors when tinting.

Physicochemical Data

- Chemical composition: High molecular weight polyurethane block copolymer with pigment-affinity groups
- Appearance: Yellow transparent solution
- Active content: 40%
- Solvent: Mixed dibasic ester

Product features

- DCA-5946 is suitable for medium to high polarity systems with good compatibility with common coating resins, offering broad applicability in coating systems.
- Significantly enhances substrate wetting and dispersion of pigments, lowers system viscosity, and improves fluidity, reducing grinding and dispersion time.
- As a high molecular weight superdispersant, DCA-5946 prevents reagglomeration effectively, significantly extending the storage stability of dispersed color pastes compared to low molecular weight dispersants.

Application areas

Applicable to medium to high polarity systems

Addition Method

With varying dosage recommendations: inorganic pigments 10%-15%, organic pigments 30%-50%, titanium dioxide 5%-6%, and carbon black 50%-100% (depending on the specific surface area of the pigment).

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.