Super Dispersant DCA-6129

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Introduction

DCA-6129 is a novel polymer dispersant developed based on block polymerization technology. Its molecular structure contains multiple pigment-affinity groups, exhibiting strong adsorption capacity for various pigments, especially carbon black. Its solubilizing chain segments show excellent compatibility with various resin systems, making it broadly applicable. DCA-6129 excels in reducing the viscosity of color pastes, increasing pigment loading, and providing excellent storage stability.

Physicochemical Data

- Chemical composition:Polymer dispersant containing pigment-affinic groups
- Appearance:Yellow viscous liquid
- Active content: 100%
- Solvent: None

Product features

- Significantly improves the wetting and dispersing capacity of the base material for pigments and fillers, reducing system viscosity and enhancing fluidity.
- Shortens grinding and dispersion time.
- Provides excellent storage stability, significantly preventing re-flocculation compared to small molecule wetting dispersants

Application areas

Suitable for medium to high polarity systems.

Addition Method

The addition amount varies based on the system:

- Inorganic pigments: 10%-15%
- Organic pigments: 30%-50%
- Titanium dioxide: 5%-6%
- 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.