Dispersing agent DCA-6431

Introduction

DCA-6431 is a novel polymer-type dispersant developed using block polymerization technology. Its molecular structure contains multiple pigment-affinity groups, providing strong adsorption capabilities for various pigments, especially carbon black. The solubilizing chain segments of DCA-6431 show outstanding compatibility with various resin systems, making it widely applicable. In use, it excels in reducing the viscosity of color pastes and increasing the pigment loading, while also demonstrating good storage stability.

Physicochemical Data

- Chemical composition:Polymer-type dispersant with pigment-affinity groups
- Appearance:Yellow viscous liquid
- Active content: 100%
- Solvent:None

Product features

- DCA-6431 significantly enhances the wetting and dispersing ability of the base material for pigment fillers,
- DCA-6431 lowers system viscosity, improves fluidity, and reduces grinding and dispersing time.
- As a high molecular weight superdispersant, DCA-6431 possesses excellent anti-coarsening capabilities. Compared to low molecular weight wetting and dispersing agents, it greatly extends the storage stability of ground color pastes.

Application areas

DCA-6431 is suitable for medium to high polarity systems and has good compatibility with commonly used coating resins, offering broad utility in coating systems.

Similar Products: BYK-9076

Our products have a good cost-performance ratio, receiving positive feedback from customers in China and overseas markets.

Addition Method

The addition amount varies depending on the system: 10%-15% for inorganic pigments, 5%-6% for titanium dioxide, 30%-50% for organic pigments, and 70%-100% for carbon black (depending on the specific surface area of the pigment).

Packaging and storage:

25KG iron drum, 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.