Super Dispersant DCA-6124

dcachem.com/portfolio/super-dispersant-dca-6124

Introduction

DCA-6124 is a new type of high molecular weight dispersant developed based on block polymerization technology. Its molecular structure contains multiple pigment-affinity groups, offering strong adsorption capabilities, especially for carbon black. Its solubilizing segments show outstanding compatibility with various resin systems, making it broadly applicable. It excels in reducing the viscosity of color pastes and increasing pigment loading, while also maintaining excellent storage stability.

Physicochemical Data

- Chemical composition:High molecular weight dispersant with pigment-affinity groups
- Appearance:Yellow viscous liquid
- Active content: 100%
- Solvent: None

Product features

- DCA-6124 is suitable for medium to high polarity systems, with good compatibility with common paint resins, demonstrating versatility in coating systems.
- Significantly improves substrate’s wetting and dispersing ability for pigments, reduces system viscosity, enhances fluidity, and shortens grinding and dispersing time.
- As a high molecular weight superdispersant, DCA-6124 has excellent anti-reagglomeration capabilities, substantially extending the storage stability of well-dispersed color pastes compared to low molecular weight wetting and dispersing agents.

Application areas

Applicable to medium to high polarity systems

Addition Method

Dosage varies based on different application systems: 1%-5% for inorganic pigments, 2%-4% for titanium dioxide (TiO2), 3%-5% for metal powders, and 5%-10% for ultrafine nano-metal powders.

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.