



DCA Chemical Technology

DCA-8110

Overview

DCA-8110 is a high molecular de-flocculation hyper-dispersant with acid group ,not only has good wetting , but also excellent anti-settling ability, it has excellent lower viscosity and dispersing ability for inorganic fillers and pigments, especially for titanium dioxide. It can be used to grind high titanium dioxide content of the paste, meanwhile, it has strong ability to prevent flocculation for grinded color paste and increased the storage stability of the paste

Physical and chemical data

Chemical component: high molecular organic phosphate block copolymer

Appearance: light yellow viscosity liquid

Active content: 50%

Solvent:PMA/Xylene

Properties

1. Lower viscosity; increase the dosage of the fillers, saving the dispersing time.
2. Improving the gloss and color spreading
3. Improving the storage stability, prevent the the settling of pigment
4. As the affinity pigment group is an acid compound, it won't have any reaction with acid catalyst in coil steel system that affect the coating ability

Application fields

DCA-8110 is suitable for all kinds of medium to high polar system, including but not limited the below;

Two component PU system

Alkyd system, acrylic resin system

Amino baking coating system

Add method

Added before grinding, dispersing in viscosity close system in high speed.

Dosage

Inorganic pigment 1-5% for pigment amount

Titanium white 1-2% for pigments amount

Packing and storage

25KG in iron drum, store in cool and dry place.