

IFCA-5040

Copolymer Sodium Salt Dispersant



Technical Data Sheet

Name: IFCA-5040

Revision Date: 2023-08-04

Version:1.3

Product Description

IFCA-5040 is a highly efficient and stable copolymer sodium salt dispersant with maleic anhydride, which can improve the wetting of filler, shorten the grinding time, stabilise the dispersion system of filler, prevent the flocculation of filler, and reduce the tendency of floating colour and blooming. It has the characteristics of drastically reducing the viscosity of abrasives, improving the storage stability of coatings, and increasing gloss and levelling. At the same time, the molecular structure of IFCA-5040 introduces hydrophobic groups for better hydrophobicity and anchorage.

IFCA-5040 can be used as the main dispersant for titanium dioxide and other bulk fillers alone or together with polyphosphates. If used with non-ionic wetting agent, it can achieve the best wetting and dispersing performance, and is widely used in construction coatings, various water-based industrial coatings and pigment concentrates.

Properties

1. Very effective for inorganic pigments, good versatility, can be used from matte to shiny formulations
2. High dispersing efficiency, low dosage, good reproducibility of formulations
3. Low grinding and foaming
4. Excellent compatibility with alkali swelling thickeners and polyurethane thickeners, good storage stability.
5. Good compatibility with low carbon alcohols, providing high gloss.

Characteristic data*

Property	Value	Unit
Type	Polyacrylic acid sodium salt	
Appearance	Light yellow transparent	
PH	7.5	
Active Ingredients	42.0±1.0	%
Water Soluble	Soluble in water	
Specific Gravity	1.30	

*These properties are typical but do not constitute specifications.

IFCA-5040



Storage

The product should be stored in dry condition between 5~35°C with the integrity of the packaging, and prevented from direct sunlight. The validity of this product is for 12 months, performance assessment is recommended before use after shelf life. The product should be protected from freezing during storage. It is suggested to filter before application and use up once the package is open.

Disclaimer

Foshan Shunde Infinechem Co., Ltd. recommends that customers should check with Materials Safety Data Sheet (MSDS) for details about safety instructions. We also suggest that you contact the suppliers of other materials used in our recommended formulations and consult appropriate health and safety regulations prior to use. The information contained herein is believed to be reliable. However, nothing in this technical sheet should be considered as a representation of warranty, express or implicit, regarding the product characteristics, application, quality, safety, merchantability or fitness for a particular purpose. Nothing contained herein is to be considered as permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner.