

AFCONA-5283



Chemical Composition

Low polymeric surfactant.

Product general description

Fatty acid modified low polymeric surfactant for preparing universal pigmented concentrates in solvent-based or solvent-free systems.

Product Properties

AFCONA-5283 is solvent-free, VOC-free, and environmentally friendly. It can be used as a post-dispersant to adjust the stability of dispersions containing multiple pigments. It can also be used in combination with AFCONA's high molecular weight dispersants (such as AFCONA-4071, AFCONA-4701) to achieve combined performance.

The characteristics and recommended systems for AFCONA-5283 are as follows:

- 1) Preparation of universal pigmented concentrates.
- 2) Cooperate with AFCONA high molecular weight dispersing agents to improve color development and transparency, reduce viscosity, and prevent floating and flooding problems.
- 3) It can be used in all kinds of solvent-based systems as a wetting and dispersing agent, such as UV, polyester, polyether glycol, etc.

Product Specification

Non-volatile matter	≥97% (150°C,0.5h)
Density	0.95 - 0.98 g/cm ³ (20°C)
Acid value	50 - 60 mg KOH/g
Amine value	52 - 62 mg KOH/g
Gardner color	Max.14
Appearance	Transparent, deep yellow to brownish liquid (25°C)

Addition and dosage

Calculation method for the required amount of active ingredient on pigment:

Universal pigmented concentrate:

Inorganic pigments : 3 - 8%

Organic pigments : 10 - 50%

It is required to determine the addition through tests for pigments that are hard to dispersed and stabilized pigments such as organic pigments, carbon black, transparent iron oxide.

When cooperate with other high molecular weight dispersants, the suggested ratio may be 1:2 - 1:4, and tests are required to achieve an optimal ratio.

Incorporation

AFCONA-5283 can be incorporated before grinding or post-added as an additive to improve color masterbatch acceptance and color development. Shear force is required to ensure uniform mixing.

Storage

AFCONA-5283 shall be stored in cool and dry place away from direct sunlight. Shelf-life is 5 years from the date of manufacturer, if kept in original and unopened container. The expiring date is indicated on the package.

Packaging

25kg and 190kg non-returnable containers

For product safety information: please take reference of SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.