

AFCONA – 5283



Chemical Composition

Low polymeric surfactant.

Product general description

Fatty acid modified low polymeric surfactant, to prepare universal pigmented concentrates in solvent based or solvent-free systems.

Product Properties:

AFCONA-5283 is solvent-free, no VOC problem, and environment friendly. It can be used as post dispersant to adjust the stability of multiply pigments containing dispersion. Or cooperate with AFCONA's high molecular weight dispersants (such as AFCONA-4071, AFCONA-4701) to acquire combination performances.

The advantages of AFCONA-5283 and recommended applications as below:

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

Product Specification

Non-volatile matter	≥97% (150°C,0.5h)
Density	0.95 – 0.98 g/cm ³ (20°C)
Amine value	52 - 62 mgKOH/g
Acid value	50 - 60 mgKOH/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 which hard to be dispersed and stabilized pigments such as carbon blacks, transparent iron dioxide.

When cooperate with other high molecular weight dispersants, we suggested ratio may be 1:2 - 1:4. and tests is required to get a good ratio.

Incorporation

AFCONA-5283 should be added prior to the dispersion process. it can improve the color acceptance and development when incorporated at the end of process. Shear force is required to make sure well-mixed with master batch.

Storage

AFCONA-5283 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 5 years from the date of manufacture. The expiry date is indicated on the container.

Packaging

25kg and 190 kg non-returnable containers

For product safety information: please take reference of SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

This information and all further technical advice are based on our present knowledge and experience. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used. We reserve the right to make any changes according to science and technological progress or further developments.

This version replaces all previous ones.