

AFCONA-5066



Chemical Composition

High-molecular-weight unsaturated carboxylic acid.

Product general description

Wetting and dispersing agent for preventing pigment settling, flooding and floating.

Product properties

AFCONA-5066 has the same chemical structure as AFCONA-5065, but contains no silicone. The dosage is also the same. It can be added after grinding to solve flooding and floating problems in coatings, and can also be mixed with high molecular weight dispersants as a co-grinding dispersant. AFCONA-5065 performs slightly better in most applications.

The characteristics and recommended systems for AFCONA-5066 are as follows:

- 1) AFCONA-5066 contains no silicone, and its performance and dosage are almost the same as AFCONA-5065, it is more suitable for foam-sensitive systems, such as coil coatings, floor coatings, and those applied by curtain coating.
- 2) If polysiloxane needs to be added during grinding to provide better wetting to accelerate the grinding speed, low-foaming or defoaming products from AFCONA, such as AFCONA-3236, AFCONA-3238 and AFCONA-3239, can be used.
- 3) AFCONA-5066 is particularly suitable for medium to high-polarity resin systems:
 - Alkyd/amino resin hybrid systems
 - Nitrocellulose systems
 - Polyurethane resin systems
 - Acrylic polyurethane systems
 - Chlorinated polyolefin resin systems
- 4) AFCONA-5066 is not compatible with white spirit or paints which are diluted with white spirit.

Note: AFCONA-5066 may become slightly hazy when stored at $\leq 5^{\circ}\text{C}$, but that would not affect its quality.

Product Specification

Non-volatile matter	50 - 54% (150°C, 0.5h)
Solvent	Alkylbenzene / Diisobutylketone
Density	0.94 - 0.96 g/cm ³ (20°C)
Acid value	120 - 180mgKOH/g
Flash point	49°C
Appearance	Transparent, yellow to brownish liquid (25°C)

Addition and dosage

0.5 - 2.5% based on inorganic pigments or
0.1 - 1.0% based on total formulation, normally at
0.5% on total formulation.

Incorporation

AFCONA-5066 should be added before grinding and dispersion. If added subsequently, high-speed dispersion is necessary.

Storage

AFCONA-5066 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 refer to the product SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.