

AFCONA - 5066



Chemical Composition

High-molecular weight unsaturated carboxylic acid.

Product general description

Wetting and dispersing additive to prevent flooding and sedimentation of pigments .

Product properties

AFCONA-5066 has the same chemical structure as AFCONA-5065, but without silicone. The usages are the same as AFCONA-5065. It also can be used as additive for post addition to solve flooding and floating problems. Combination with a suitable High Molecular Weight Dispersant can be used as co-grinding agent. However, the performance of AFCONA- 5065 in most cases is better.

AFCONA – 5066 has below special properties and recommended in below systems:

- 1) The performance and usage is almost the same as AFCONA – 5065. However AFCONA – 5066 do not contain any polysiloxane. Therefore, in many cases, in foam sensitive systems like coil coatings, floor coatings and those coatings applied by curtain coater, AFCONA – 5066 is more preferable.
- 2) If polysiloxane is needed in the grinding phase, for better wetting and increasing grinding speed, the use of AFCONA non foam stabilizing polysiloxanes, such as AFCONA – 3236, AFCONA – 3238 and AFCONA – 3239 are recommended.
- 3) AFCONA-5066 is especially suited for medium to high-polar binder systems like:
 - alkyd/amino resin combinations
 - nitro-cellulose systems
 - polyurethane systems
 - acrylic polyisocyanate systems (2-pack acrylics)
 - chlorinated polymers
- 4) AFCONA-5066 is not compatible with white spirit or paints which are diluted with white spirit.

Note: AFCONA – 5066 will become slightly hazy at temperatures 5° C. This will not influence the 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 is at
0.5% on total formulation

Incorporation

AFCONA-5066 should be added prior to the dispersion process .

Storage

AFCONA-5066 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 190kg non-returnable containers

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.