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:

- 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 (2pack 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 Active ingredients	<u>on</u> 50 - 54%
Solvents	Alkylbenzene / Diisobutylketone
Density at 20 °C	0.94 - 0.96 g/cm ³
Acid value	120 – 180 mg KOH/g
Flashpoint	40°C
Appearance	transparent yellowish to brownish liquid

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

 $25\ kg$ and $180\ kg$ non-returnable containers