

AFCONA-4060



Chemical Composition

Modified polyurethane polymer.

Product general description

A high molecular weight polymeric dispersant for de-flocculation of all types of pigments.

Product Properties

AFCONA-4060 is a highly effective polymeric dispersant for stabilizing inorganic and organic pigments as well as carbon blacks. Through effective steric hindrance, it provides very good stability for all types of pigments.

AFCONA-4060 offers the following advantages:

- Lower mill base viscosity
- No solidification or crystallization at low temperatures
- Higher colour strength
- Reduced flooding and floating problems

The characteristics and recommended systems for AFCONA-4060 are as follows:

- 1) AFCONA-4060 has lower polarity than other products in the AFCONA-4000 series. Due to its long-chain steric hindrance modification, it offers lower mill base viscosity. Also because of its low polarity, its compatibility may be slightly poorer than that of AFCONA-4050.
- 2) AFCONA-4060 is recommended for use in baking paints, especially coil coatings. It can also be used in other resin systems, as long as compatibility is maintained.

Note: AFCONA-4060 may become hazy or crystallize when stored at or below 5°C. Heat until uniform. It will not influence the performance and quality of the final formulated product.

Product Specification

Non-volatile matter	29 - 31% (150°C,0.5h)
Solvent	Propylene glycol methyl ether acetate/Xylene/Sec-butanol/Butyl Acetate
Density	0.93 - 0.95 g/cm ³ (20°C)
Amine Value	6 - 16 mg KOH/g
Gardner color	Max.6
Flash point	35°C
Appearance	Clear, pale yellowish/slightly hazy liquid (25°C)

Addition and dosage

Calculation method for the required amount of non-volatile matter on pigment:

TiO ₂ :	2-3%
Other inorganic pigments:	2-4%
Organic pigments:	20-40%
Carbon blacks:	20-60%

Incorporation

AFCONA-4060 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-4060 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.