

AFCONA-4001



Chemical Composition

Modified polyurethane polymer.

Product general description

High molecular weight polymeric dispersant for deflocculation of all types of pigments.

Product Properties

AFCONA-4001 is the result of AFCONA's own development of intermediate monomers for polyurethane dispersants. It is based on AFCONA's new anchoring group and AFCONA's own innovative polyurethane dispersant technology.

AFCONA-4001 has the following special properties:

- 1)AFCONA-4001 is very good at dispersing carbon black, providing a very good blue undertone with high jetness.
- 2)It can also be used with other inorganic and organic pigments.

AFCONA-4001 is recommended for:

- 1) Polyurethane
- 2) NC (nitrocellulose)
- 3) Epoxy

Note:AFCONA-4001 will become hazy or crystallized at temperatures below 5°C. Heat it up and mix well before use. This does not affect the quality.

Product Specification

Non-volatile matter	54 - 57%(150°C,0.5h)
Solvent	Butyl Acetate/Propylene glycol methyl ether acetate/Sec-butanol
Density	0.98 - 1.02 g/cm ³ (20°C)
Amine Value	25 - 35 mg KOH/g
Gardner color	Max.4
Flash point	34°C

Addition and dosage

Calculation method for the required amount of active ingredient on pigment:

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

Incorporation

AFCONA-4001 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-4001 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.