

AFCONA-4067



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-4067 is a xylene-free version of AFCONA-4063. It is a polyurethane-type polymeric dispersant that provides excellent stability for inorganic pigments, organic pigments and carbon black. Due to its effective steric hindrance effect, it offers outstanding stabilization capability for all types of pigments.

AFCONA-4067 offers the following advantages:

- Improved gloss and DOI, reduced haziness
- Prevention of floating problems
- Higher colour strength
- Strong viscosity reduction
- Improved blackness of high-grade channel carbon black

The characteristics and recommended systems for AFCONA-4067 are as follows:

- 1) AFCONA-4067 is a modified version of the PU series that balances viscosity reduction and compatibility, offering superior viscosity reduction for both inorganic and organic pigments.
- 2) AFCONA-4067 is recommended for all solvent-based high-grade industrial coating systems, though attention should be paid to its sensitivity to strong acid catalysts.
- 3) AFCONA-4067 has excellent polarity adaptability, making it suitable for use in universal color concentrates, allowing for smooth incorporation into various polar resins from low to high polarity.
- 4) AFCONA-4067 offers a lower application cost compared to AFCONA-4063.

Note: AFCONA-4067 may become hazy or stratify when stored at or below 5°C. Heat until uniform before use. That will not influence the performance.

Product Specification

Non-volatile matter	44 - 46% (150°C, 0.5h)
Solvent	Butyl Acetate/Propylene glycol methyl ether acetate
Amine Value	5 - 15 mg KOH/g
Gardner color	Max.6
Flash point	41°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-4067 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-4067 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 200 kg 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.