

AFCONA-4061

Chemical Composition

Solution of modified polyurethane polymer.

Product general description

High molecular weight polymeric wetting and dispersing agent for dispersing and stabilizing all types of pigments.

Product Properties

AFCONA-4061 can provide effective steric hindrance, which gives excellent dispersing and stabilizing properties for all kinds of pigments. AFCONA-4061 has good compatibility with resins in medium to high polarity range,

AFCONA-4061 offers the following advantages:

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

Note: AFCONA-4061 may become crystallized when stored at or below 10°C. Heat until uniform before use. That will not influence the performance.

Product Specification

Non-volatile matter	30 - 33% (150°C, 0.5h)
Solvent	Propylene glycol methyl ether acetate/Xylene/Butyl Acetate/Sec-butanol
Density	0.92 - 0.96 g/cm ³ (20°C)
Amine Value	8 - 12 mg KOH/g
Gardner color	Max.5
Flash point	24°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:

Other inorganic pigments : 2-10%
Organic pigments : 20-40%
Carbon blacks: 30-80%

Incorporation

AFCONA-4061 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-4061 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 180kg 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.