

AFCONA - 4067



Chemical Composition

Modified polyurethane polymer.

Product general description

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

Product Properties:

AFCONA-4067 is BTX free version of a high molecular weight dispersing agent. This dispersant is very effective in inorganic pigments, organic pigments and carbon black dispersion preparation; due to its very effective 3 dimensional steric hindrances designed that lead to good stability for all pigments. This is a very good dispersant for organic red, yellow and violet pigments.

AFCONA - 4067 is specially design for all solvent based system where it gives very good viscosity reduction, pigment stability and improvement of color strength.

AFCONA - 4067 has below special properties and recommended in below systems:

- 1) AFCONA - 4067 is the modification from our existing PU series dispersant where it has both excellent performances in viscosity reduction and compatibility.
- 2) AFCONA - 4067 is recommended for all high quality industrial paints. However for acid catalysis system, it may have some sensitivity towards the common used acid catalysts.
- 3) The adaptation of AFCONA - 4067 to paint systems polarities are excellent, therefore it is highly recommended to use in pigment concentrates preparation for low to high polar paint systems.
- 4) With all above advantages mentioned above, AFCONA - 4067 also does not contain any aromatic solvents like xylene, Toluene and Benzene (BTX Free)

Note: AFCONA - 4067 will become slightly hazy at temperature 5°C and below, but this will not influent the quality.

Product Specification

Non-volatile matter	44 - 46% (150°C,0.5h)
Solvent	BAC/PMA
Amine Value	5 - 15 mg KOH/g
Gardner color	Max.6
Flash point	41°C
Appearance	Clear to slightly hazy, yellow liquid (25°C)

Addition and dosage

Calculation method for the required amount of AFCONA-4067 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 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

25kg and 200 kg non-returnable containers

AFCONA ADDITIVES
Web Site : www.afcona.com

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