

AFCONA - 4072



Chemical Composition

Modified polyurethane polymer

Product general description

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

Product Properties:

AFCONA- is a result of an innovative concept of polyurethane dispersants. This innovative technology is based on an own new developed intermediate monomer and own new developed anchoring groups.

AFCONA-4072 is an improve version of AFCONA-4070 at higher solid content.

AFCONA-4072 has below properties: :

- 1) AFCONA-4072 is the improvement version of AFCONA-4070.
- 2) AFCONA-4072 have higher MW than AFCONA 4071. Its stability and viscosity reduction performances on organic pigments red, violet and yellow is much better than AFCONA 4072.
- 3) As same as AFCONA 4071, it will not cause crystallization in low temperature. At below zero ($< 0^{\circ} \text{C}$) only slight haziness will be observed.
- 4) Beside above mentioned properties and performance, the overall pigment stability and performance are very close to AFCONA 4071.

Note: AFCONA-4072 will become slightly hazy and crystalization below 8°C . Warm up to clear, and this will not influence the dispersing property and quality of final product.

Product Specification

Non-volatile matter	34 - 36%(150°C,0.5h)
Solvent	Butylacetate / PMA /Sec-butanol
Density	0.96 - 0.99 mg/cm ³ (20°C)
Amine Value	8 – 12 mgKOH/g
Flash point	41°C
Gardner color	Max.6
Appearance	Clear to slightly hazy, yellow liquid(25°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 blacks	:20 - 60%

Incorporation

AFCONA-4072 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-4072 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 190 kg non-returnable containers

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.