

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- 4072 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

Active ingredients	34 - 36%
Solvents	Butylacetate / Methoxy Propyl Acetate/Sec-butanol
Density	0.96 - 0.99 mg/cm^3
Amine Value	8 – 12 mgKOH/g
Flash point	41°C
Colour	Max.6
Appearance	Clear to slightl hazy, yellow liquid

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

This information and all further technical advice are based on our present knowledge and experience. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used. We reserve the right to make any changes according to science and technological progress or further developments.

This version replaces all previous ones.