

AFCONA – 4063



Chemical Composition

Modified polyurethane polymer

Product general description

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

Product Properties

AFCONA-4063 is a result of AFCONA own develops intermediate monomer for polyurethane dispersant. It based on AFCONA new anchoring group and AFCONA own technology of innovative concept of polyurethane dispersant.

AFCONA – 4063 is specially design for all solvent based system where it gives very good viscosity reduction, pigment stability and improve color strength.

AFCONA – 4063 has below special properties and recommended in below systems:

- 1) AFCONA – 4063 is very good in carbon black dispersant. Gives very goods blue under tone with high jetness. It also gives very low milling paste viscosity for carbon black.
- 2) AFCONA – 4063 can be used to substitute our previous version of Polyurethane dispersant, such as, AFCONA – 4046, AFCONA – 4047 and AFCONA – 4050 as well as other market available similar grade of dispersant.
- 3) Due to it wide compatibility, it can be use in all solvent based coating system.

Product specification

Active ingredients : 44 - 46%

Solvent : butylacetate/
methoxypropylacetate/
isobutanol/xylene

Density at 20 °C : 0.93 – 0.97g/cm³

Amine value : 5 - 15 mg KOH/g

Flashpoint : 24°C

Colour : max.6

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-4063 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-4063 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

25 kg and 190 kg non-returnable containers