

AFCONA - 4001



Chemical Composition

Modified polyurethane polymer.

Product general description

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

Product Properties:

AFCONA-4001 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 – 4001 is dedicated for carbon black dispersion where it gives high jetness as well as blue under tone.

AFCONA – 4001 has below special properties and recommended in below systems:

- 1) AFCONA – 4001 is very good in carbon black dispersant. Gives very goods blue under tone with high jetness.
- 2) Other than carbon black, it also can be used in other inorganic and organic pigment.

AFCONA – 4001 is recommended for:

- 1) Polyurethane
- 2) NC
- 3) Epoxy

Note:

- 1) AFCONA – 4001 will become hazy or crystallized at temperatures below 5° C. heat up and well-mixed before use. This will not influence the quality.

Product Specification

Non-volatile matter 54-57%(150°C,0.5h)

Solvent Butylacetate / Methoxy
Propyl Acetate / sec-butanol

Density 20°C 0.98 - 1.02 mg/cm³

Amine Value 25 - 35 mg KOH/g

Flash point 34°C

Gardner color Max.4

Addition and dosage

Calculation method for the required amount of AFCONA-4001 on pigment:

TiO₂ : 2 - 3%

Other inorganic pigments : 2 - 4%

Organic pigments : 20 - 40%

Carbon blacks : 20 - 60%

Incorporation

AFCONA-4001 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-4001 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.