

AFCONA – 4001



Chemical Composition

Modified polyurethane polymer

Product general description

High molecular weight polymeric dispersant for deflocculation of all type 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 slightly hazy at temperatures below 5° C. Even at -15° C the slight haziness still stay the same. This will not influence the quality.

Product specification

Active ingredients	54 - 57%
Solvents	Butylacetate / Methoxy Propyl Acetate / Isobutanol /Alkylbenzene
Density at 20 °C	0.95 – 0.98 g/cm ³
Amine value	25 - 35 mg KOH/g
Flashpoint	24°C
Colour	max.4

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-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

25 kg and 190 kg non-returnable containers