

AFCONA – 5030



Chemical Composition

Polymer of carboxylic acid and polyamide

Product general description

Cationic wetting and dispersing additive to improve the wetting of pigment surfaces especially carbon black and organically treated Bentonites

Product Properties

AFCONA-5030 is an additive for pigment dispersion. It reduces the interfacial tension between pigments or extenders and the vehicle charge repulsion forces.

AFCONA-5030 has below special properties and recommended in below systems:

- 1) AFCONA-5030 is a very compatible polymer. It can be used in all resin systems, ranging from none polar to high polar systems.
- 2) It recommended for artificial leather , polyurethane, alkyd and polyamide system for printing ink systems.
- 3) Due to the high amine value, AFCONA-5030 cannot be use in system where amine sensitive system such as epoxy and aromatic cure polyurethanes. In epoxy system, it only can be use if the pigment dispersion is done in the amine part.

Note: AFCONA-5030 will become slightly hazy at temperatures below 5°C. This will not influence the quality.

Product Specification

| | |
|---------------------|---|
| Non-volatile matter | 50 - 54%(150°C,0.5h) |
| Solvent | Alylbenzene /PMA |
| Density | 0.90 - 0.94 g/cm ³ (20°C) |
| Acid value | <4 mg KOH/g |
| Amine value | 185 - 215kg KOH/g |
| Flash point | 45°C |
| Gardner color | Max.13 |
| Appearance | transparent yellowish to brownish liquid (25°C) |

Addition & dosage

0.5-5.0 % based on inorganic pigments
20.0-30.0% based on organic pigments
25.0-40.0% based on carbon black

Incorporation

When used in mill-bases, add before grinding. In Bentonite dispersions use as follows:

| | |
|-----------|----------------------|
| 85-87 | parts of solvent |
| 10 | parts of Bentonite |
| 5- 3 | parts of AFCONA-5030 |
| ----- | |
| 100 parts | |

Storage

AFCONA-5030 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 180kg non-returnable containers.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.