

AFCONA-5030



Chemical Composition

Solution of polyaminoamide of polymeric organic carboxylic acid.

Product general description

Cationic wetting and dispersing additive that improves wetting on carbon black surface, organic and inorganic pigments, and organically treated bentonite.

Product Properties

AFCONA-5030 effectively adsorbs onto various pigment surfaces, reducing grinding and dispersion time, and decreasing the viscosity of the mill base.

The characteristics and recommended systems for AFCONA-5030 are as follows:

- 1) AFCONA-5030 is a highly compatible polymer suitable for use in various systems ranging from low to high polarity. It is recommended as a pigment dispersion stabilizer in polyurethane artificial leather systems, polyacrylate systems, alkyd and polyester amino systems, as well as polyamide ink systems.
- 2) AFCONA-5030 acts similarly to a curing agent in epoxy resin systems, therefore it can only be added to the amine component.

Note: AFCONA-5030 may become slightly hazy when stored at or below 5°C. This will not affect the quality.

Product Specification

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

Addition and 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

For use in mill base, add before grinding and apply shear force to ensure uniform mixing with the base material.

Storage

AFCONA-5030 shall be stored in cool and dry place away from direct sunlight. Shelf-life is 5 years from the date of manufacturer, if kept in original and unopened container. The expiring date is indicated on the package.

Packaging

25kg and 180kg non-returnable containers.

For product safety information: please refer to the product SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.