

AFCONA - 5030-100



Chemical Composition

Polymer of organic carboxylic acid and polyamino amide

Product general description

Cationic wetting and dispersing additive to improve the wetting on surfaces of carbon black, organic/inorganic pigments, and organically modified bentonite.

Product properties

AFCONA-5030-100 is a wetting and dispersing agent, VOC-free. It effectively adsorbs onto various pigment surfaces for modification, thereby reducing grinding and dispersion time, and lowering the viscosity of paste.

AFCONA-5030-100 has below special properties and recommended in below systems:

- 1) AFCONA-5030-100 is an easily compatible polymer that can be used in systems ranging from low polarity to high polarity. It is recommended for use in polyurethane synthetic leather systems, polyacrylate systems, alkyd and polyester amino systems, as well as polyamide ink systems as pigment dispersing and stabilizing agents;
- 2) When AFCONA-5030-100 is used in two-component polyurethane systems, the influence of its high ammonia value on the catalytic crosslinking of the system needs to be considered. In epoxy systems, AFCONA-5030-100 exhibits a co-curing effect similar to hardeners and should only be added to the amine component.

Note: AFCONA-5030-100 will become slightly hazy at temperatures below 5°C. This will not influence the quality.

Product Specification

Non-volatile matter ≥96% (150°C, 0.5h)

Density	0.93-0.97 g/cm ³ (20°C)
Acid Value	<6 mg KOH/g
Amine value	370-400 mg KOH/g
Flash point	>100°C
Gardner color	Max.6
Appearance	Dark yellow transparent viscous 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

When used in grinding materials, AFCONA 5030-100 should be added and subjected to shear force before grinding to mix evenly with the base material.

Storage

AFCONA-5030-100 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 190kg non-returnable containers

For product safety information: please take reference of SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.