

AFCONA-5058



Chemical Composition

Modified phosphate ester polymer

Product general description

This ionic wetting and dispersing agent is suitable for dispersing inorganic pigments in solvent-based coating systems, particularly for TiO₂, matting powder, fillers and similar materials.

Product properties

AFCONA-5058 facilitates the wetting and dispersion of inorganic pigments, such as TiO₂, red iron oxide, fillers, matting powder and other similar materials.

AFCONA-5058 is primarily recommended for dispersing matting powder and inorganic pigments, effectively reducing system viscosity while providing anti-settling properties. Its superior viscosity-reduction performance allows for higher filler loading.

AFCONA-5058 has a catalytic effect when used in amino baking paints and may cause a slow increase in viscosity during storage.

Note: AFCONA-5058 may exhibit crystallization when stored at $\leq 2^{\circ}\text{C}$. This will not affect the overall quality.

Product Specification

Non-volatile matter	64 - 68% (120°C, 0.5h)
Density	0.945 - 0.985 g/cm ³ (20°C)
Acid value	250 - 300 mg KOH/g
Gardner color	Max.6
Flash point	77°C
Appearance	Clear, pale yellow liquid (25°C)

Addition and dosage

Calculation method for the required amount of active ingredient on pigment:

Matting powder : 10 - 20%

TiO₂ : 1 - 10%

Other inorganic pigments: 3 - 10%

Incorporation

AFCONA-5058 should be added at the dispersion stage and mixed well with the base resin.

Storage

AFCONA-5058 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 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.