

AFCONA-K235



Chemical Composition

Modified polyurethane polymer solution.

Product general description

AFCONA-K235 is a high molecular weight wetting dispersant designed for solvent-based coatings and ink systems.

Product properties

AFCONA-K235 is an exceptionally efficient, high molecular weight dispersant that delivers outstanding stability for inorganic pigments, organic pigments and carbon black. It provides effective steric hindrance effects with superior stabilizing power for all pigment types, while ensuring long-term storage stability of pigment concentrates.

AFCONA-K235 offers exceptional color development intensity for carbon black and achieves superior color development and deflocculation capabilities with traditionally hard-to-disperse organic pigments.

Note: Due to the special structural design and diluent solvent polarity of AFCONA-K235, crystallization may occur when stored in a low-temperature environment ($\leq 15\text{ }^{\circ}\text{C}$) for a long time. Before use, it needs to be heated (approximately $50\text{ }^{\circ}\text{C}$), baked and mixed evenly. This will not influence the quality.

Product Specification

Non-volatile matter	29 - 33%(150°C,0.5h)
Solvent	Diethylene glycol methyl ethyl ether/Butyl acetate /2-butanol
Density	0.937 - 0.977 g/cm ³ (20°C)
Refractive index	1.429 - 1.449 (25°C)
Amine Value	5 - 15 mg KOH/g
Gardner color	Max.3
Appearance	Light yellow transparent liquid (25°C)

Addition and dosage

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

TiO₂ : 2-3%

Other inorganic pigments: 2-4%

Organic pigments: 20-40%

Carbon black: 20-60%

Incorporation

AFCONA-K235 should be added into the grinding base before pigment addition and mixed well with shear force.

Storage

AFCONA-K235 shall be stored in cool and dry place away from direct sunlight. Shelf-life is 3 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 take reference of SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.