

AFCONA-4017



Chemical Composition

Modified polyurethane polymer.

Product general description

A high molecular weight polymeric dispersant for co-grinding of organic pigments, carbon black and inorganic pigments.

Product Properties

AFCONA-4017 is a polymeric dispersant mainly developed for co-grinding applications in coil and can coating, as well as baking polyester and acrylic, epoxy and polyurethane systems.

Compared to AFCONA-4015, AFCONA-4017 offers greater tolerance towards system polarity and is performance-oriented towards enhanced stabilization of organic pigments in multi-color systems. As a result, it provides better color development than conventional controlled flocculation type wetting agents, while maintaining control over the floating of inorganic pigments such as TiO_2 .

Note: AFCONA-4017 may become slightly hazy when stored at or below 5°C , but this will not influence the quality.

Product Specification

Non-volatile matter	28 - 32% (150°C , 0.5h)
Solvent	Butyl acetate/Sec-butanol/ Alkylbenzene/Propylene glycol methyl ether acetate/Diisobutyl -ketone
Acid Value	25 - 45 mg KOH/g
Amine Value	3 - 12 mg KOH/g
Flash point	39°C
Appearance	Clear, slightly brown liquid (25°C)

Addition and dosage

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

TiO_2 :	6-8%
Other inorganic pigments :	5-10%
Organic pigments :	20-40%
Carbon blacks :	30-60%

Incorporation

AFCONA-4017 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-4017 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 refer to the product SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.