

AFCONA – 4053



Chemical Composition

Modified polyester polymer

Product general description

High molecular weight polymeric dispersant for all types of pigments.

Product properties

AFCONA-4053 is based on the latest structure of steric hindrance and new designed anchoring groups. Excellent wetting and dispersing performance to Inorganic, organic and carbon black. AFCONA-4053 also can reduce the viscosity of high pigment content paste, and has better long time storage stability of concentrates.

AFCONA-4053 has below special properties:

AFCONA-4053 has widely compatibility in almost all resin systems.

AFCONA-4053 is suit for manufacturing all kinds of pigment concentrates. and it has efficiently viscosity reducing of the pastes.

Product Specification

Non-volatile matter	38 - 41% (150°C,0.5h)
Solvent	PMA
Density	1.00-1.04 g/cm ³ (20°C)
Amine value	2 - 5 mg KOH/g
Acid value	1 - 3 mg KOH/g
Flash point	44°C
Gardner color	Max. 9
Appearance	Transparent, brownish liquid (25°C)

Addition and dosage

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

TiO ₂ :	2 - 5%
Other inorganic pigments :	5 - 10%
Organic pigments :	20 - 50%
Carbon black :	30 - 80%

Incorporation

AFCONA-4053 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA – 4053 should be stored in a cool and dry place. When kept in an original unopened container, it will keep up for 5 years from the date of manufacture. The expiry date is indicated on the container.

Packaging

25kg and 200 kg un-returnable containers.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.