

AFCONA - 5053



Chemical Composition

Polyether modified surfactant polymer with carboxylic acid groups.

Product general description

Wetting and dispersing agent with pigment or extender affinity groups for inorganic pigments, mostly used to treat with TiO₂ and extender, as well as high matting concentrate.

Product properties

AFCONA-5053 helps wetting and dispersing for inorganic pigments, such as TiO₂, iron dioxide and extender. AFCONA-5053 also good at manufacturing high matting concentrate, and improve the efficiency of preparing matting agent.

AFCONA-5053 is recommended for below applications:

- 1, AFCONA-5053 is good at dispersing all kinds of inorganic pigments. As well as matting agent based on SiO₂, decrease the viscosity of matting concentrate. And it has more tempered acidity.
- 2, AFCONA-5053 has combination dispersing property for organic-inorganic pigment systems. It also can help prevent flooding and floating.

Note:AFCONA-5053 may be slightly hazy or cloudy below 8°C. Heating up to clear, this will not influence the quality.

Product Specification

Non-volatile matter	38-42% (150°C,0.5h)
Solvent	PMA
Density	0.98 – 1.02 g /cm ³ (20°C)
Acid Value	21 – 31 mgKOH/g
Gardner color	Max.3
Flash point	42°C
Appearance	Transparent, yellow liquid(25°C)

Addition and dosage

Matting agent	: 30 – 60%
TiO ₂ or extender	: 1 - 10%
Other inorganic pigments	: 3 - 10%

Incorporation

AFCONA-5053 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-5053 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 200kg non-returnable containers

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.