

AFCONA - 5290E



Chemical Composition

Polymer with pigment affinity groups.

Product general description

100% solid of high molecular weight dispersant.

Product Properties:

AFCONA – 5290E are 100% solid dispersant created for high-solid systems and formulations that are facing VOC limitation.

AFCONA – 5290E is suitable for all solvent based systems ranging from low polar to high Polarity, including air-dry alkyd.

AFCONA – 5290E has very good pigment stability and performance. It gives good viscosity reduction and high colour strength.

AFCONA – 5290E provided with almost 100% active ingredients; therefore, it is an excellent dispersant for high-solid coatings like polyurethane, epoxy and UV coating.

This product is a very interesting dispersant for ink formulations. The 100% active nature of AFCONA – 5290E allows the formulator free choice of solvents for the finished product.

Note:

AFCONA – 5290E will become slightly hazy at temperatures below 5° C. This will not influence the performance of the product.

Product Specification

Non-volatile matter	≥ 98% (120°C,0.5h)
Density	1.00 – 1.04 g/cm ³ (20°C)
Amine Value	12 – 18 mg KOH/g
Acid Value	16 - 24 mg KOH/g
Gardner color	Max.18
Flash point	>100°C
Appearance	Transparent to slightly hazy,brown liquid(25°C)

Addition and dosage

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

Titanium dioxide and other fillers	2.0 - 3.0%
Other inorganic pigments	2.0 - 4.0%
Organic pigments	20 - 40%
Carbon blacks	20 - 60%

Incorporation

AFCONA – 5290E should be incorporated before milling. Make sure well mixed with base resin by required shear force.

Storage

AFCONA-5290E 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

30kg and 200kg non-returnable plastic containers

AFCONA ADDITIVES
Web Site : www.afcona.com

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This version replaces all previous ones.