

AFCONA - 7530



Chemical Composition

Polyhydroxyl, carboxylic acid & amide polymer.

Product general description

Specially design for rheology controlling performance

Product properties

AFCONA-7530 is recommended to use in UPE, PVC, Epoxy and flexible PU compounding application.

It contains hydroxyl, carboxylic, amine and amide groups. These functional groups allow AFCONA - 7530 polymer easily forming a high dent hydrogen bonding that lead to better rheology control.

It very suitable to increase/improve the rheology behavior if used in combination with fume silica and bentonite clay. This performance lead to better anti-settling which are very important in high filled systems.

Especially in vinyl ester system, it gives a high thixotropic paste when combine with fume silica.

We recommend to use a suitable dispersing agent to disperse the fillers/extenders, such as our AFCONA – 7500 or 7520, for viscosity reduction that allow desired higher PVC. High PVC always cause hard settling, thus combination of AFCONA – 7530 and fume silica will solve the settling problem.

The obvious different between AFCONA-7530 and other conventional wetting and dispersing agent are:

- Better in preventing flooding and floating of pigments and extenders due to it high hydrogen bonding linkage formation
- Work together with the rheology agent to gives better anti-settling performance

Note: AFCONA -7530 may become slightly hazy at temperatures below 5°C. This will not influence the quality.

Product Specification

Non-volatile matter	44 - 48% (150°C,0.5h)
Solvent	Sec-butanol/ Methoxy Propanol
Density	0,94 - 0,98 g/cm ³ (20°C)
Acid Value	80 - 100 mg KOH/g
Amine value	72 – 88 mg KOH/g
Flash Point	35°C
Appearance	Clear, Brown liquid(25°C)

Addition and dosage

Fume silica : 10-50%
Other inorganic pigments/extenders : 0.5-5.0%

Incorporation

AFCONA-7530 should be added in the resin part and mix homogenously. After incorporated, high sheer force is needed to ensure the high effectiveness of rheology behavior.

Storage

AFCONA-7530 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 190kg non-returnable containers

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.