

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

Active ingredients	45 - 47%
Solvent	Sec-butanol
Density at 20 °C	0.96 – 0.98 g/cm ³
Acid value	80– 90 mg KOH/g
Amine value	90 – 100 mg KOH/g
Appearance	Yellowish liquid

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

25 kg and 180 kg non-returnable containers