

AFCONA - 7476



Chemical Composition

High molecular weight dispersant with solid surface affinity groups

Product general description

High affinity dispersant towards acidic and neutral carbon black, fiberglass and other pigments

Product Properties

AFCONA – 7476 is suitable as a dispersing agent for UPE (SMC, BMC, TMC and pigment concentrates), polyvinyl, epoxy, polyurethane elastic resin systems.

AFCONA – 7476 gives excellent wetting to the fiberglass where this lead to faster wetting of resin to the fiber glass and eventually gives a better bonding strength and performance in the final product.

AFCONA – 7476 is suitable for all pigments, ranging from inorganic to organic pigments, as well as carbon black.

In PVC and PU foam industrials, it often used as dispersing agent for acidic or neutral carbon black where this gives better viscosity reduction and pigment stability.

It also serve as anti-separation additives in SMC, BMC and TMC where it will prevent the separation for anti-shrinkage resin like polystyrene and styrene-butadien-styrene polymer

In coating, AFCONA – 7476 act as a very good co-grinding dispersant to prevent flooding and floating. Of course it is also suitable for separate grinding.

Not containing any plasticizers

Note: AFCONA – 7476 may become slightly hazy at temperatures below 5° C. This will not influence the quality.

Product specification

Active ingredients	>90%
Solvents	No organic solvent added
Density at 20 °C	0.95 - 0.98 g/cm ³
Amine value	20 -30 mg KOH/g
Acid value	25 – 35 mg KOH/g
Flashpoint	>100 °C
Appearance	transparent yellowish to light brown liquid

Addition and dosage

As anti-separation – 0.5 – 2.0 in total formulation.

As dispersing agent – 10-30% on pigments.

As fiber glass wetting – 0.5 – 2.0 on fiber glass weight.

As co grinding aids – 0.5 – 1.5% on total formulation (post add or pre-add)

Incorporation

AFCONA - 7476 should be incorporated in the mill base before adding the pigments. However, also can be used as post added additive to solve flooding and floating.

Storage

AFCONA-7476 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