

# AFCONA – 7477



## Chemical Composition

Surfactant of High molecular weight co-polymer.

## Product general description

AFCONA-7477 is tailor designed surfactant Which has good compatibility with unsaturated polyester resins. And it can be used as an additive which has the performance to decrease the viscosity of resin systems and avoid separation.

## Product Properties

AFCONA-7477 is recommended for all types of unsaturated polyester resins, polyurethane elastomers, and etc. It is specially suitable for SMC/BMC/TMC and pultrusion method to eliminate phase separation and stabilize the mixtures of different resins. Such as PS/ SBS modified unsaturated polyester systems.

AFCONA-7477 also can be used as wetting and dispersing agent for all types of pigments and extenders. It will improve the dispersing of pigments and extenders, decrease and stabilize the viscosity of systems. And balance the difference of different batches.

AFCONA-7477 performances excellent wetting property between the interface of resin and glass fibre . It can improve the combining property between the resin and glass fibre, as well as wetting property when in processing. Improve the comprehensive properties of final product, such as mechanic, water resistance, aging resistance, and etc.

## Product Specification

Non-volatile matter	44 - 48% (150°C,0.5h)
Solvent	BAC /PMA
Density	1.00-1.04 g/cm <sup>3</sup> (20°C)
Amine value	5-15 mg KOH/g
Flash point	41°C
Appearance	Clear, yellow liquid(25°C)

## Addition & dosage

Prevent phase separation:  
0.5-2.0 % based on total formulation  
Dispersing for color development:  
Based on organic pigments: 20-100%  
Wetting for glass-fibre:  
Based on glass-fibre: 0.5-2.0%

## Incorporation

AFCONA-7477 is recommended for mixing well with liquid components prior to pigments and extenders. high shear force and more addition are needed if added after process.

## Storage

AFCONA-7477 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.

## Package

25kg and 200kg non-returnable containers.

AFCONA ADDITIVES

Web Site : [www.afcona.com](http://www.afcona.com)

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This version replaces all previous ones.