

# AFCONA – 7478



## Chemical Composition

Surfactant agent of High molecular weight co-polymer.

## Product general description

AFCONA-7478 is special designed surfactant Which has good compatibility with unsaturated polyester resins.

## Product Properties

AFCONA-7478 is recommended for all types of unsaturated polyester resins, such as vinylite 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-7478 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, and stabilize the viscosity of systems.extremely for developing DOI of carbon blacks and organic pigment,

AFCONA-7478 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.

## Product Specification

Non-volatile matter	50-54% (150°C,0.5h)
Solvent	BAC/Xylene/ PMA/sec-butanol
Density	0.98-1.02g/cm <sup>3</sup> (20°C)
Acid value	8-18 mg KOH/g
Amine value	6-16 mgKOH/g
Flash point	39°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-7478 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-7478 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 200kg non-returnable steel containers.

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

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This version replaces all previous ones.