

# AFCONA – 4592



## Chemical Composition

Polyether Modified styrene block copolymer.

## Product general description

High efficient polymeric dispersant for high filler content and resin-free concentrate manufacturing. And it will prevent flocculation of pigment.

## Product Properties:

AFCONA-4592 has excellent performance of wetting and dispersing for inorganic/ organic pigments and carbon blacks. It also can be used for aqueous concentrate of high filler and pigment content.

AFCONA-4592 has below advantages:

- Lower viscosity of concentrate;
- Better color development;
- Prevent flocculation and floating of pigments;

No pH influence of AFCONA-4592 in coating systems. And widely compatible with most of aqueous industrial coating systems. AFCONA - 4592 is totally soluble in water, neutralization is unnecessary.

AFCONA-4592 is recommended to resin-free and universal pigment concentrates manufacturing, as well as general industrial paints and decorative paints.

Note:

AFCONA – 4592 will become slightly hazy at temperatures below 5° C. This will not influence the quality.

## Product Specification

Active ingredients	38 -41%
Solvent	Water/TPM
Density at 20°C	1.045 – 1.085 g/cm <sup>3</sup>
Amine value	50 – 60 mg KOH/g
Flash point	≥100°C
Gardner Color	Max.12
Appearance	Transparent to slightly hazy, brownish liquid

## Addition and dosage

Calculation method for the required amount of active ingredient on pigment:

TiO <sub>2</sub>	: 1 - 3%
Other inorganic pigments	: 5 - 10%
Organic pigments	: 20 - 60%
Carbon blacks	: 30 - 80%

## Incorporation

AFCONA-4592 should be incorporated in the mill base before adding the pigments.

## Storage

AFCONA-4592 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 3 years from the date of manufacture. The expiry date is indicated on the container.

## Packaging

25kg and 190 kg non-returnable containers

AFCONA Polymers Co., Ltd.

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

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