

AFCONA-3238



Chemical Composition

Organically modified polysiloxane.

Product general description

Slip and leveling agent with good defoaming effect.

Product Properties

AFCONA-3238 is another grade of alkyl modified polysiloxane from AFCONA. The degree of alkyl modification in AFCONA-3238 falls between that of AFCONA-3236 and AFCONA-3239.

The differences between AFCONA-3238 and other AFCONA alkyl-modified silicone grades are as follows:

- AFCONA-3238 provides better slip.
- AFCONA-3238 offers better compatibility than AFCONA-3236.
- AFCONA-3238 exhibits better defoaming than AFCONA-3239.

Due to its non-foam-stabilizing properties, AFCONA-3238 is recommended for foam-sensitive systems, including:

- 1) Solvent-free epoxies.
- 2) High-solid or solvent-free polyurethanes.
- 3) Curtain coating systems.
- 4) Airless spray coating systems.
- 5) UV-curing systems.

In matt finish coatings, the addition of AFCONA-3238 aids in the orientation of matting agents. In UV-curing systems, it further reduces gloss when used in combination with a matting agent.

Product Specification

Non-volatile matter	≥95% (120°C, 0.5h)
Density	0.91 - 0.94g/cm ³ (20°C)
Refractive index	1.427 - 1.437 (25°C)
Gardner color	Max.3
Flash point	>100°C
Appearance	Transparent to slightly yellowish liquid (25°C)

Addition and dosage

0.05-0.50% on total formulation. Under normal conditions, the dosage is 0.05-0.2% based on total formulation.

Incorporation

AFCONA-3238 can be added at any stage of production. However, high shear force is needed if added during the letdown stage due to its defoaming property. For easier incorporation, dilute to 10% in medium or low polarity solvents.

Storage

AFCONA-3238 shall be stored in cool and dry place away from direct sunlight. Shelf-life is 5 years from the date of manufacturer, if kept in original and unopened container. The expiring date is indicated on the package.

Packaging

25kg and 180kg non-returnable containers

For product safety information: please refer to the product SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.