

AFCONA-3239



Chemical Composition

Organically modified polysiloxane.

Product general description

Slip and leveling agent with good defoaming effect.

Product Properties

AFCONA-3239 is another alkyl modified polysiloxane from AFCONA. The alkyl chain modification of AFCONA-3239 is longer than that of AFCONA-3236, which makes AFCONA-3239 act as a better defoamer. It causes more in-can haziness in more polar systems like polyurethane and epoxy. The longer alkyl modification also gives less slip performance.

Due to its non-foam-stabilizing properties, AFCONA-3239 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.

AFCONA-3239 is a very suitable leveling agent for epoxies, as it does not stabilize foam and acts as a very good defoamer in such systems.

In matt finish coatings, the addition of AFCONA-3239 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	≥96% (120°C,0.5h)
Density	0.91 - 0.93 g/cm ³ (20°C)
Refractive index	1.439 - 1.449 (25°C)
Gardner color	Max.2
Flash point	>100°C
Appearance	Transparent to slightly yellow 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-3239 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-3239 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.