

AFCONA-3236



Chemical Composition

Organically modified polysiloxane.

Product general description

Slip and leveling agent with good defoaming effect.

Product Properties

Most organically modified polysiloxanes stabilize foam, which makes them not suitable for foam-sensitive systems like floor coatings and high-build systems.

AFCONA-3236 is an alkyl-modified polysiloxane that provides not only slip and leveling properties, but also good overall defoaming in most systems.

AFCONA-3236 is mostly used in foam sensitive systems, as listed below, due to its non-foam-stabilizing properties:

- 1) Solvent-free epoxies.
- 2) High-solid or solvent-free polyurethanes.
- 3) Curtain coating systems.
- 4) Airless spray coating systems.
- 5) UV-curing systems.
- 6) Baking paints (defoaming and leveling actions) such as coil coatings. Its temperature resistance could reach up to 280°C for 15 minutes.

In wood coatings, AFCONA-3236 is also often used due to the good defoaming and slip performance. AFCONA-3236 is not recommended in high-gloss clear coats, as it can cause slight in-can haziness.

Product Specification

Non-volatile matter	≥96% (120°C, 0.5h)
Density	0.94 - 0.96 g/cm ³ (20°C)
Refractive index	1.437 - 1.447 (25°C)
Gardner color	Max.2
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-3236 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-3236 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 190kg 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.