

AFCONA – 3839



Chemical Composition

Polyether modified polysiloxane contains methylacrylic acid terminal groups.

Product general description

AFCONA - 3839 is a reactive silicone leveling agent, which can react with UV curing and vinyl cross-link systems.

Product Property

AFCONA-3839 is an high reactive slip and leveling agent, with strong sliding ability, and it also provides defoaming property. It is suitable for high concentrated printing inks.

AFCONA-3839 has strong performance of UV-curing. And it will participate in the curing reaction with UV and other free radical curing systems, and improve the mechanic performance as well as good touch feeling.

AFCONA – 3839 is recommended for below applications:

- 1) UV curing and EB curing systems
- 2) Pigmented formulations, and restricted for clear systems.
- 3) Strong sliding performance;
- 4) Defoaming effect;

Product specification

Non-volatile matter	≥92% (120°C,0.5h)
Density	0.97 - 1.01 g/cm ³ (20°C)
Flash point	>100°C
Appearance	Milky to yellowish cloudy liquid (25°C)

Addition and dosage

In general, under normal conditions, 0.1- 2.0% on total formulation.

High smooth required applications, the dosage is 3.0 – 5.0% based on total formulation.

Incorporation

AFCONA-3839 should be added at the end process of batch preparation with certain shear force. Avoid high temperature of processing (>50°C) to prevent reactive groups losing.

Storage

AFCONA-3839 should be stored in a cool dry place between 4 - 40°C. Avoid heat source and direct sunlight.

When kept in an original unopened container, it will keep up to 270 days from the date of manufacture. The expiry date is indicated on the container.

Packaging

25kg and 200kg non-returnable closed steel container.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.