

# AFCONA-3839



## Chemical Composition

Polyether-modified polysiloxane with methacrylate acid terminal groups.

## Product general description

Reactive slip and leveling agent for use in UV-curable and vinyl-curable systems.

## Product Properties

AFCONA-3839 is a highly reactive slip and leveling agent with strong slip ability and defoaming properties. It is suitable for high-viscosity ink color pastes.

AFCONA-3839 has highly efficient radiation cross-linking, allowing it to participate in the curing reaction with UV and other free radical curing systems, providing permanent high slip performance.

AFCONA-3839 is recommended for:

- 1) UV-curable and electron beam curing systems.
- 2) Pigmented formulations, and restricted for clear systems.

## Product specification

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

## Addition and dosage

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 of the batch preparation with certain shear force. Avoid high processing temperatures (>50°C), which could lead to the loss of reactive groups.

## Storage

AFCONA-3839 shall be stored in cool and dry place away from direct sunlight when the storage temperature between 4-40°C. Shelf-life is 270 days from the date of manufacturer, if kept in original and unopened container. The expiring date is indicated on the package.

## Packaging

25kg and 200kg non-returnable containers

**For product safety information: please take reference of SDS.**

AFCONA ADDITIVES

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

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This version replaces all previous ones.