

AFCONA - 3835



Chemical Composition

Organically modified polyether reactive polysiloxane with methacrylate functional groups.

Product general description

Additive designed as crosslinkable slip and leveling for UV coating.

Product properties

AFCONA-3835 is a reactive polyether modified polysiloxane with methacrylate functional that can crosslinking to UV / EB systems. It has averagely 7 functional groups per molecule. With this property, it allows the formulator to formulate a permanent slip coating for anti-blocking and anti-scratch coating.

AFCONA-3835 have below properties and recommended for systems as below:

- 1) It has good slip and leveling performances where after crosslinking, it gives permanent slip.
- 2) It suitable for UV and EB curing systems.
- 3) Due to it methacrylate functional, it also can be used for any systems that using the unsaturated bond crosslinking as primary curing reaction such as UPE.

Product Specification

Non-volatile matter	≥96% (120°C,0.5h)
Density	1.00 – 1.04 g /cm ³ (20°C)
The refractive index	1.420-1.460 (25°C)
Flash point	>100°C
Appearance	Clear to slightly yellow liquid (25°C)

Addition and dosage

0.05 – 1.00% on total formulation. In general, under normal conditions, the dosage is 0.10 – 0.50% based on total formulation.

Incorporation

AFCONA-3835 should be added at the last stage of the production process. The production process after added AFCONA – 3835 should be below 50°C.

Storage

AFCONA-3835 should be stored in a cool and dry place. When kept in an original unopened container, it will keep up for 2 years from the date of manufacture. The expiry date is indicated on the container.

Packaing

25kg and 200kg non-returnable containers

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.