

AFCONA-K254-10-4



Chemical Composition

Solution of polyether modified polysiloxane.

Product general description

Modified polysiloxane surface additive for solvent-free, solvent-based coating systems, inks and adhesive systems.

Product properties

AFCONA-K254-10-4 provides a strong reduction of the surface tension in coating and ink systems. Therefore it improves substrate wetting and avoids cratering. It can also enhance surface smoothness and gloss.

AFCONA-K254-10-4 shows good thermal stability. Consequently, no loss in adhesion and no surface defects occur when re-coating.

AFCONA-K254-10-4 has good compatibility with most solvent-based resin systems. Foam stabilization, recoatability and shrinkage tendency shall be checked in the corresponding system, prior to industrial scale use.

Note: AFCONA-K254-10-4 may crystallize and stratify when stored for a long time at temperatures below 5°C. Heat it up to 20°C and mix well before use. This will not affect its performance.

Product Specification

Non-volatile matter	24 - 26% (150°C, 10min)
Solvent	Xylene
Density	0.885 - 0.915 g/cm ³ (20°C)
Refractive index	1.474 - 1.494 (25°C)
Flash point	25°C
Appearance	Clear yellowish liquid (25°C)

Addition and dosage

0.05 - 0.5% on total formulation. Under normal conditions, the dosage is 0.2 - 0.5% based on total formulation.

Incorporation

AFCONA-K254-10-4 can be added at any stage of the process. Shear force must be applied to ensure homogeneous mixing with the system.

Storage

AFCONA-K254-10-4 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 170kg non-returnable containers

For product safety information: please take reference of SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.