

AFCONA - 3238



Chemical Composition

Organically modified polyalkyl polysiloxane.

Product general description

Additive designed as slip and leveling agent with good defoaming effect.

Product Properties:

AFCONA-3238 is another grade of alkyl modified polysiloxane from AFCONA. The % of alkyl modification in AFCONA – 3238 is in between AFCONA – 3236 and AFCONA – 3239.

The different properties of AFCONA – 3238 from the other grades of alkyl modified silicones from AFCONA are:

- AFCONA – 3238 is better in slip
- AFCONA – 3238 is better compatibility than AFCONA – 3236
- AFCONA – 3238 is better in defoaming than AFCONA – 3239.

AFCONA-3238 mostly recommended in foam sensitive systems as listed below due to none foam stabilizing property:

- 1) Solvent – less epoxies
- 2) High Solid or solvent-less polyurethanes
- 3) Paints applied by Curtain coater
- 4) Paints applied by airless spray application
- 5) UV curing systems

For matted finish coatings, addition of AFCONA – 3238 will help in matting agent orientation. In UV curing systems, it even further reduces gloss when added together with a matting agent.

Product Specification

| | |
|----------------------|---|
| Non-volatile matter | ≥95% (120°C, 0.5h) |
| Density | 0.91 – 0.94g/cm ³ (20°C) |
| The refractive index | 1.427 – 1.437 (25°C) |
| Flash point | >100°C |
| Gardner color | Max.3 |
| Appearance | Transparent to slightly yellowish liquid (25°C) |

Addition and dosage

0.05 – 0.50% on total formulation. In general under normal conditions, the dosage is 0.05 – 0.2% based on total formulation.

Incorporation

AFCONA-3238 can be added at any stage of production process. However, high shear force is needed if added in letdown stage due to the defoaming property. For easier incorporation, dilute to 10% in any solvent/s..

Storage

AFCONA-3238 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 5 years from the date of manufacture. The expiry date is indicated on the container.

Packaging

25kg and 180kg non-returnable containers

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.