

AFCONA – 4060



Chemical Composition

Modified polyurethane polymer

Product general description

High molecular weight polymeric dispersant for deflocculation of all pigments

Product Properties

AFCONA-4060 is a polymeric dispersant for stabilizing inorganic and organic pigments as well as carbon blacks. It has fairly stability performance, through effective steric hindrance, on all type of pigments.

This results in:

- Lower mill base viscosity
- higher colour strength
- Reduced flooding and floating

AFCONA – 4060 has below special properties and recommended in below systems:

- 1) AFCONA-4060 is a lower polar polymer compared to other AFCONA 4000 series. The price for this product is relatively low thus the pigment stability performance is less comparing to AFCONA – 4050, AFCONA 4046 and AFCONA 4047.
- 2) AFCONA-4060 is recommended for baking paints especially coil coatings. It also can be used for other resin systems as long as it is compatible.

Note 1: AFCONA – 4071 is the new development from AFCONA. It is designed in the same way as AFCONA – 4060 but has much better performances concerning pigment stability and viscosity depressing.

Note 2: AFCONA – 4060 will become slightly hazy at temperatures below 5° C. This will not influence the quality.

Product specification

| | |
|--------------------|---|
| Active ingredients | 29 – 31% |
| Solvents | Butylacetate / Methoxy Propyl Acetate/ Xylene/ Isobutanol |
| Density at 20 °C | 0.93 – 0.95 g/cm ³ |
| Amine value | 6 - 16 mg KOH/g |
| Flashpoint | 24°C |
| Colour | max.6 |
| Appearance | slight yellowish liquid |

Addition and dosage

Calculation method for the required amount of active ingredient on pigment:

| | |
|--------------------------|------------|
| TiO ₂ | : 2 - 3% |
| Other inorganic pigments | : 2 - 4% |
| Organic pigments | : 20 - 40% |
| Carbon blacks | : 20 - 60% |

Incorporation

AFCONA-4060 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-4060 should be stored in a cool dry place, preferably at room temperature. 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

25 kg and 190 kg non-returnable containers