

AFCONA - 4701-100



Chemical Composition

Modified polyacrylate polymer based on CRP technology.

Product general description

High molecular weight polymeric dispersant for deflocculation of all types of pigments.

Product Properties:

AFCONA-4701-100 is an effective polymeric dispersant based on AFCONA CRP technology and solvent-free. It has excellent performances in stabilizing inorganic and organic pigments. It has very good stability performance in carbon black dispersion where a very high jetness can be achieved. In metallic systems, it gives a golden undertone for high channel black dispersion. And AFCONA-4701-100 will provide excellent colour development, transparency and colour strength for the pigments which hard to be dispersed, Such as DPP, high jetness carbon blacks.

AFCONA - 4701-100 is solvent-free version of AFCONA 4701. and it has below special properties and recommended in below systems:

- 1) AFCONA - 4701-100 has very good viscosity reduction in all pigments.
- 2) AFCONA - 4701-100 increase tremendously the jetness blue undertone of a high channel black.
- 3) In overall, AFCONA - 4701-100 gives better transparency for all organic pigments (excluding the good hiding pigments).
- 4) AFCONA - 4701-100 can be used in all solvents systems except systems that used white spirit or low aromatic hydrocarbon as solvent.

Note: AFCONA - 4701-100 may become slightly hazy at temperatures below 5°C. This will not influence the dispersing quality.

Product Specification

| | |
|---------------------|--|
| Non-volatile matter | ≥ 96% (120°C,0.5h) |
| Density | 1,075 - 1,105g/cm ³ (20°C) |
| Amine Value | 26 – 34 mgKOH/g |
| Flash point | >100°C |
| Appearance | Clear to slightly hazy viscous liquid (25°C) |

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-4701-100 should be incorporated in the mill base before adding the pigments.

Storage

AFCONA-4701-100 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 190 kg 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.