



RHEOLOGICAL ADDITIVE

Technical Data Sheet

CP-38

CP-38 is an organo clay (modified montmorillonite), designed especially for use in solvent based system including intermediate and low polarity range organic liquid..

Properties

Composition	Organic derivative of a montmorillonite clay
Appearance	Fine powder, white
Moisture content (105°C, 2hr)	≤3.5%
Loss on ignition (1000°C)	29%-32%
Bulk density	0.53g/cm ³
Fineness (<74µm, %)	≥98%

Advantages

- Exerts gelling efficiency over a wide range of intermediate and low polarity
- Easy dispersing
- The gel is colourless and of high clarity
- Produce reproducible thixotropic consistency over a wide temperature range
- Imparts particle suspension, sag resistance without impairing flow and leveling, preventing hard settling of pigment and fillers
- Exerts strong film reinforcing action in organic binder systems

Application

CP-38 is used in the following applications:

- Paints & coatings with solvent of low to medium polarity
- Lubricant Grease, ink, sealant
- Cosmetic
- Oil drilling mud

Using

CP-38 disperses under high shear and requires a polar activator (30%~40%) for best efficiency. Heat is not required to obtain good dispersion. Addition levels are typically in 0.2%~2.0%. Polar activator (95% Ethanol or 95% Methanol) is needed. Normally addition level of polar activator is recommended to be 30%~40% of CP-38 in weight.

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