



ZHEJIANG HUATE NEW MATERIAL CO. ,LTD.
[Http://www.zjhuate.com](http://www.zjhuate.com) E-mail: bentonite@zjhuate.com
Tel: +86-571-63806068/63711876 Fax:+86-571-63751569/63806098
Add: Tianzi Lake Modern Industry Park, Anji County, Zhejiang Province, China P.C:313310

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CPT- GEL 340 Rheology Modifier



GENERAL INFORMATION

CPT- GEL 340 is an organoclay, which has the characteristics of strong versatility and light gel color. It presents good thixotropic performance and ideal dispersion property in a wide range of solvent systems. It is suitable to low to medium polarity aliphatic and aromatic systems. It can work without polar activator in mixed solvents with medium to high polarity, such as benzene, ketone, ester, etc. It needs to add a certain amount of polar activator in low polarity system to get good thixotropic property.

PHYSICAL PROPERTES	RECOMMENDED USE
Appearance: Free flowing powder	● Industrial paint
Color/Form : White	● Anti-corrosion paint
Density : 1.7g/cm ³	● Alkyd paint
Moisture : ≤3.5%	● Thick paste paint
Fineness :98% Min thru 200 mesh	● Ink
Loss on Ignition:≤40%	● Sealant
Bulk density (kg/m ³):460	● Lubricating grease
	● Powder paint

INCORPORATION

A.Pre-gel Method(8%-10%concentration)

B.Direct Addition as Powder

- 1.Mix resin and part solvents
- 2.Add CPT- GEL 340, mix 10 mins
- 3.Add polar activator, mix 5-10mins.(No need in medium to high polarity system)
- 4.Add other additives, pigment



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Polar Activator: Methanol/H₂O(95/5), Ethanol/H₂O (95/5), Acetone/H₂O(95/5) are recommended in 200 # solvent oil or other petroleum solvents, mineral oils, and other fatty hydrocarbons.

The adding amount of polar activator is usually 20-40% of the amount of CPT- GEL 340. It is always recommended to determine the proper level of addition by experiment. Either defect or excess of chemical activator would result in poorer viscosity development.

RECOMMENDED LEVELS

The amount of CPT- GEL 340 rheology modifier required depends upon the type of organic system and the degree of thickening or other properties desired. Addition levels are typically between 0.2%-2.0% based on the total formulation weight (powder direct addition usage)

HEALTH AND SAFETY DATA

Before handling this material, read the corresponding Safety Data Sheet (SDS) for safety, health and environmental data.

SHELF LIFE

CPT- GEL 340 has a shelf life of at least two years from date of manufacture. Store in a cool dry place.

CERTIFICATIONS

ISO 9001 Quality System, ISO 14001 Environmental Management System, ISO 18001 Safety System

MANUFACTURER: ZHEJIANG HUATE NEW MATERIAL CO., LTD.

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