



ZHEJIANG FENGHONG NEW MATERIAL CO., LTD.
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www.zjfenghong.com



HFGEL-120-FX

Rheology Modifier

GENERAL INFORMATION

HFGEL-120-FX is an organoclay for solvent-based systems of low to medium polarity.

ADVANTAGES

- ☆ High gelling efficiency over low to medium polarity organic liquids.
- ☆ Excellent reproducibility of viscosity&thixotropy.
- ☆ Good anti-sagging&anti-settling property
- ☆ Particularly recommended in thickening base oil of grease, such as 150SN, PAO10

PHYSICAL PROPERTES	RECOMMENDED USE
Appearance: Free flowing powder	• Solvent Based Paint
Color/Form :Light yellow	• Grease
Density: 1.7g/cm ³	• Ink
Moisture(@105℃, 2hrs): ≤3.5%	• Adhesive&Sealants
Fineness: 98%Min thru 200 mesh	• Cosmetics

INCORPORATIONS

HFGEL-120-FX belongs to the conventional type of organoclay group, which requires mechanical energy, shear forces applied with a good dispersion equipment, and a chemical (polar) activator to reach the proper level of delamination of the organoclay platelet stacks.

Chemical Activator
Methanol/H ₂ O
Ethanol/H ₂ O (95/5)
Propylene Carbonate
Acetone/H ₂ O

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. Typically between 20-50% by weight of HFGEL-120-FX.



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RECOMMENDED LEVELS

The amount of HFGEL-120-FX Rheology Modifier required depends upon the type of organic system and the degree of thickening or other properties desired. Addition levels are typically between 0.5%-2% by weight of the system. (For grease, the recommendation is 8-15%)

HEALTH AND SAFETY DATA

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

SHELF LIFE

HFGEL-120-FX 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 FENGHONG NEW MATERIAL CO., LTD.

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