



Zhejiang Fenghong New Material Co., Ltd.

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# HFGEL 120-V10

## Rheology Modifier for Low, Medium, and High Polarity Solvent-Based Systems

### GENERAL INFORMATION

HFGEL 120-V10 is an organophilic clay for a broad range of polarity organic liquid systems. Belonging to the newest generation of high performing organoclays, it is easy to disperse and does not require a chemical activator in many systems. HFGEL 120-V10 can be added at any point in the manufacturing process.

### ADVANTAGES

- Enhances flexibility in formulating and processing
- Suitable for post-addition in most applications
- Imparts excellent sag and hard settling resistance properties
- Consistent rheology over a wide temperature range

### PHYSICAL PROPERTIES

Composition	Amine-treated bentonite clay
Color/Form	Off-white powder
Density	1.7 g/cm <sup>3</sup>
Moisture	3.5% Max
Particle Size, Dry Powder	Min 97% thru 200 mesh

### RECOMMENDED USE

- Anti-corrosion paints
- Marine coatings
- Industrial deco paints
- Automotive primers
- Foundry coatings
- Adhesives, caulks, and sealants
- Epoxy systems

### INCORPORATION

HFGEL 120-V10 is readily dispersible in most medium and high polarity systems. For use in low polarity systems such as aliphatic hydrocarbons, high shear and a chemical activator are recommended.



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### CHEMICAL ACTIVATOR

Methanol/H <sub>2</sub> O & Ethanol/H <sub>2</sub> O (95/5)	30-50% based on dry weight of HFGEL 120-V10
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Propylene Carbonate	25-35% based on dry weight of HFGEL 120-V10
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Acetone/H <sub>2</sub> O	50-60% based on dry weight of HFGEL 120-V10
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### RECOMMENDED LEVELS

HFGEL 120-V10 is typically used at levels of 0.5% - 2.0% by weight of the system, depending upon the degree of thickening or other properties desired. Laboratory testing is recommended to determine optimal level.

### 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-V10 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



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