



Zhejiang Fenghong New Material Co., Ltd.

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HFGEL 120-C

Rheology Modifier for Medium to High Polarity Solvent Systems

GENERAL INFORMATION

HFGEL 120-C is an organophilic clay designed for use in medium to high polarity systems. HFGEL 120-C imparts excellent rheology, particle suspension, and pigment anti-settling.

ADVANTAGES

- Helps achieve proper balance of thixotropy and anti-sedimentation properties
- Exerts strong film reinforcement properties in organic binder systems

PHYSICAL PROPERTIES

Composition	Amine-treated bentonite clay
Color/Form	Light white, free-flowing powder
Density	1.7 g/cm ³
Moisture	3.5% Max
Fineness, 200 mesh	98% Min

RECOMMENDED USE

- Marine coatings
- Lubricating greases
- Caulks and sealants
- Printing inks
- Anti-corrosive coatings
- Adhesives

INCORPORATION

HFGEL 120-C belongs to the conventional type of organoclay, requiring shear applied with good dispersion equipment and a chemical activator to reach the proper activation. HFGEL 120-C should be dispersed in resin/solvent for at least 30 minutes followed by wetting agents and pigments.



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CHEMICAL ACTIVATOR

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

HFGEL 120-C is typically used at levels of 0.5% - 2.0% by weight of the total 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-C 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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