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HFGEL 120-B11

Rheology Modifier for Low to Medium Polarity Solvent-Based Systems

GENERAL INFORMATION

HFGEL 120-B11 is an organophilic clay. It is designed for use primarily in aliphatic, aromatic and other non-polar to medium polarity solvent systems. It disperses easily, does not require chemical activation and can be incorporated at any point in the manufacturing process using typical processing equipment.

HFGEL 120-B11 imparts viscosity increase, sag control and helps prevent settling.

ADVANTAGES

- Cost effective replacement for traditional organoclays
- Suitable for post-addition in most applications
- Ease of incorporation, no need for polar activator or pre-gel
- Imparts stable viscosity build, sag resistance, and pigment anti-settling

PHYSICAL PROPERTIES

Composition	Amine-treated bentonite clay
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Color/Form	Light cream, finely divided powder
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Density	1.5 g/cm ³
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Moisture	3.5% Max
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Particle Size	<20µm
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RECOMMENDED USE

- Oil-based paints and stains
- Printing inks
- Anti-corrosive paints
- Bituminous coatings
- Traffic paints
- Adhesives
- Caulks and sealants
- Primers, undercoats

INCORPORATION

HFGEL 120-B11 is readily dispersible in the pigment grind under high shear in aliphatic or aromatic systems. It does not require heat or a chemical activator to reach the proper level of activation. In many formulations HFGEL 120-B11 can be post added under low shear. This is best accomplished at temperatures between 20°C (68°F) and 35°C (95°F).



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RECOMMENDED LEVELS

HFGEL 120-B11 is typically used at levels of 0.2% - 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-B11 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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