



SYLVACLEAR® PE400 Specialty Polymeric Gellant

Specialty Polymeric Gellants are low molecular weight polyamide resins formed by the reaction of function amines and diacids terminated with various end groups. They gel liquids via hydrogen bonding between the amide groups. The diacid portion of polyamide and/or its terminating group is soluble in, and associates, with liquid to be gelled.

SYLVACLEAR® PE400 is a rheology and structurant for formulation with high polarity organic liquids for consumer product applications. It can be formulated into water soluble or water dispersible beads, sticks or gels.

| Features | Benefits |
|----------------------------|--|
| Gels high polarity liquids | Forms water soluble or water dispersible beads, sticks or gels |
| Stable and compatible | Beads, gels or sticks can contain high loadings of fragrance or actives loadings |
| Hydrophilic in nature | Gels can be formulated to dissolve in water as a function of temperature and concentration |

Applications

Can be used to make gels of higher polarity organic liquids such as water/glycol mixtures, emollient esters, alcohols, esters, ketones and surfactants. Can be used to form water soluble beads and sticks or wash off gels with high fragrance or actives loadings.

Typical Properties

| | |
|---|-----|
| Bio-based (non-petroleum carbon) content, % | 27 |
| Softening Point °C, Cup & Ball | 114 |
| Color, Gardner | 3 |
| Acid Number | 7 |
| Amine Number | 2 |

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|-------------------------------|---|
| CASRN | 868684-71-3 |
| Packaging | Resin is available in pastille form in fiber drums, 60 lbs net. |
| Handling & Storage | Resin is soft at room temperature, compaction may occur during storage. To minimize, the resin should be stored in closed drums at room temperature or below. |



Technical Service: Savannah, GA (912) 238-6556
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