

Technical Information

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derypol

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Hygel E100FD

Product for cosmetic compositions

DESCRIPTION

Polymeric thickener for cosmetic.

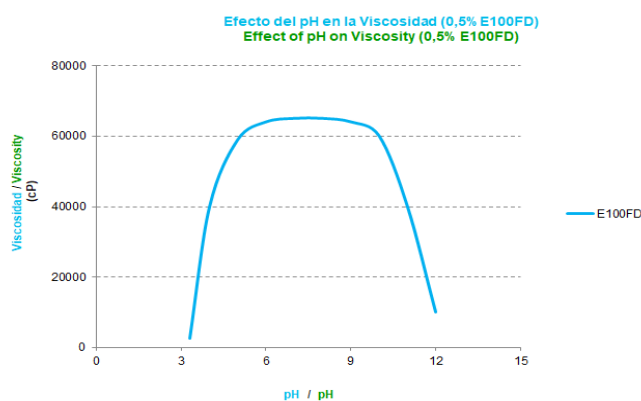
INCI Name: Carbomer

CHARACTERISTICS

| | |
|------------------------------|--|
| Appearance | : White solid in powder |
| Ionic character | : Anionic |
| pH (at 0,5% in water) | : 2.7 – 3.5 |
| Viscosity (at 0,5% in water) | : 45000 – 65000 cP |
| Shelf life | : We recommend not keeping the product more than 12 months |

Note: The parameters indicated here are not necessarily the specifications of the product. These will be agreed with each customer and will be part of the contract that must be respected for each batch supplied.

Derypol guarantees the quality of the product, in the terms agreed with the client as "product specifications", during the time established as the warranty period (shelf-life), as long as it is kept in good conditions, according to the recommendations indicated in section 7 of our MSDS. For any formulation of the product, it will be the client responsibility to carry out the necessary studies to guarantee that the stability and characteristics are as desired. Derypol assumes no responsibility regarding the stability and characteristics of such formulations.



APPLICATION

- The product must be added into the continuous phase at the required concentration to get the expected viscosity.
- It is required the use of a basic reagent to promote viscosity and thickening effect. Final pH must be within the range indicated in the following point.
- For an optimum dissolution process it is recommended using a moderate agitation and a slow feeding of the product.

Consult our technical staff in case of any doubt.

BENEFITS

- Optimised grade of Carbomer with less foam, and better handling and clarity (>90%).
- Anionic thickening agent for aqueous solution in a wide range of pH (5-12). It is pH-dependant.
- Used in the manufacturing of cosmetic products as: Hair care, skin care, gels, creams and lotions formulations.
- Solutions of the product don not show significant changes in viscosity and stability at high temperature.
- It can work alone or combined with surfactants in cosmetic formulations.
- Solutions of the product are pseudoplastic and non thixotropic. The resulting gel structure is easily broken-down by shear.
- Effective agent for the stabilization of emulsions and suspended solid particles.

STORAGE AND DISTRIBUTION

- The product should be kept in a covered place, the container tightly closed, protected from sunlight and within the temperature range recommended in Section 7 of the Safety Data Sheet.
- Once the container is open, avoid contamination with any other water based product and/or with strong bases. Check the Material Safety Data Sheet.
- Take the habitual precautions when handling a chemical product. Avoid the product to contact with eyes, skin or clothes.
- There is a great variety of containers. Check with our Customer Service in order to choose the most convenient one.

REGULATORY

Consult our technical staff in case of any doubt.