



AGENAJEL 20.383 PRODUCT DATA SHEET

Modified waxy corn starch

GENERAL DESCRIPTION

- AGENAJEL 20.383 is a propoxylated starch phosphate based on waxy corn.
- AGENAJEL 20.383 shows an excellent stability against heat, acid, shear, freezing and thawing.
- Appearance: white to yellowish, fine, floury powder
- Odour: pure, specific
- INCI: hydroxypropyl starch phosphate
- CAS Number: 53124-00-8

ANALYSIS DATA

- | | | |
|-------------------------------|-----------------|--------------------------------------|
| • Moisture: | max. 14,0 % | rapid dryer, 160 °C, constant weight |
| • pH-value: | 5,0 - 7,0 | 1% solution |
| • Gelatinization temperature: | approx. 55 °C | |
| • Viscosity: | | |
| after reaching 95 °C: | approx. 600 BU | Brabender - 6,25% i.s., 350 cmg cup |
| after cooling to 50 °C: | approx. 1300 BU | Brabender - 6,25% i.s., 350 cmg cup |

MICROBIOLOGY

- | | | |
|----------------------|-------------|-------------|
| • Total plate count: | max. 2000/g | ISO 4833-1 |
| • Coliforms: | max 10/g | ISO 4832 |
| • E. coli: | 0/g | ISO 16649-2 |
| • Yeast: | max. 100/g | ISO 7954 |
| • Mould: | max. 100/g | ISO 7954 |
| • Salmonella: | neg./25g | ISO 6579-1 |

STORAGE AND SHELF LIFE

- If properly stored under dry conditions (max. 70 % relative humidity): min. 36 months

PACKING

In multiwall paper-bags of 25 kg (1 pallet = 30 bags = 750 kg)

CUSTOMS TARIFF NUMBER

- 3505 1050



APPLICATION FIELDS

- creams & lotions
- thickener in aqueous PC-formulations

APPLICATIONAL INFO

- AGENAJEL 20.383 is a rheology modifier and creaminess enhancer in aqueous applications.
- AGENAJEL 20.383 is a cook up starch with reduced gelatinization temperature. It shows shear-thinning effects with rapid viscosity recovery.
- Applications as thickener: shampoos and face washes (both SLES free), creams & lotions
- AGENAJEL 20.383 leads to opaque formulations.

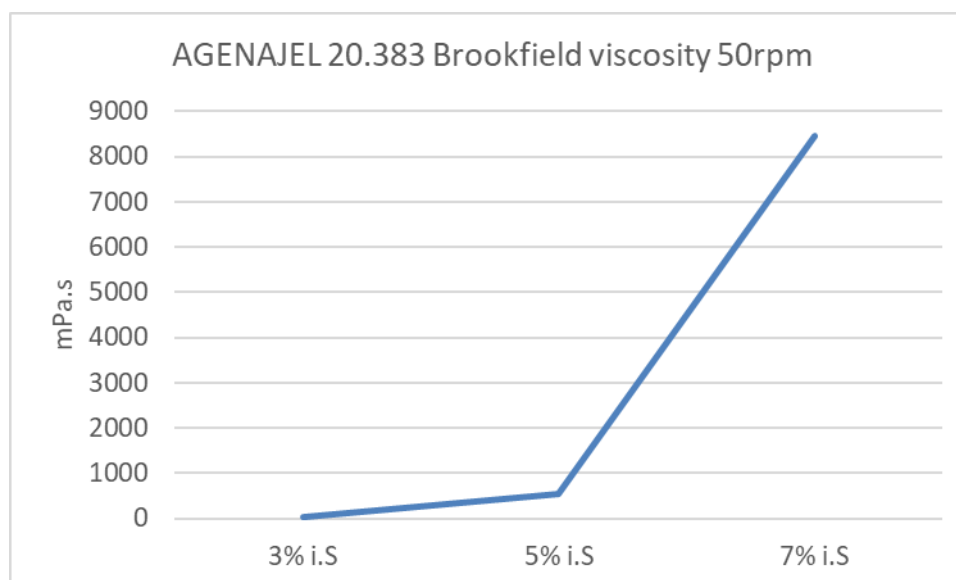
PROCESSING

- For thickening, AGENAJEL 20.383 has to be stirred in in cold water and heated up > 60°C in aqueous phase with continuous stirring until it is homogenous. In shampoos, we recommend an addition of 3-6%.

VISCOSITY Brookfield (indicative information; not part of specification)

Viscosities depending on concentration. Aqueous cooking (15 min. > 80°C).

Viscosity measurement with Brookfield RV at room temperature.



Above stated information is indicative only and no responsibility can be assumed. Recommendation is made to check suitability of our product by doing tests on your own.