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Cosmetics

FVC-400(Viscocare-P400F)

CHARACTER

- FVC-400(Viscocare-P400F) is a flowable emulsion-type polymer without water.
- Improves emulsion stability of cosmetics & resistance to electrolytes
- Sensory of FVC-400(Viscocare-P400F) is supple, creamy and glide-on texture
- FVC-400(Viscocare-P400F) increases viscosity over a wide range of pH and has stability.

APPLICATION

- Care (Face, Body, Sun, Hair, Baby)
- Self-tanning
- Make-up

COMPOSITION

•Classification : Synthetic polymer

•INCI Name :
Polyacrylate-13 & Polyisobutene & Polysorbate-20

•CAS No. :
152728-72- 8 & 9003-27- 4 & 9005-64-5

•EINECS No. :
N/A & 618-360-8 & 500-018-3

•CHINA : listed in IECIC

Specification

No	Inspection	Unit	Specification
1	Appearance	-	White emulsion liquid
2	2% pH		5.0 ~ 6.5
3	2% Viscosity	cps	80,000 ~ 130,000
4	2% Solution+ 0.1% NaCl Viscosity	cps	10,000 ~ 30,000

Typical Characteristics

•Very easy to use, just add to your formulation after mixing oil and water phases to enhance stability and modify rheology.

•convenient emulsifier, rheology modifier, thickener, and acting as a stabilizer.

•Make gel and cream easily and don't need to neutralize./ Can be used to cold process.

•Self-emulsifying and emulsifying up to 40% of oil

•Possible to increase the viscosity in the pH range of 3.0-11, and it has excellent thickening power even in the presence of DHA and AHA

•Sensory profile :
- Creamy and consistent texture, glossy emulsion
- Silicone type glide-on spreading,
- Non-greasy soft film on the skin,

•Packaging unit : 20KG/ PE drum

•Self life: 3 years

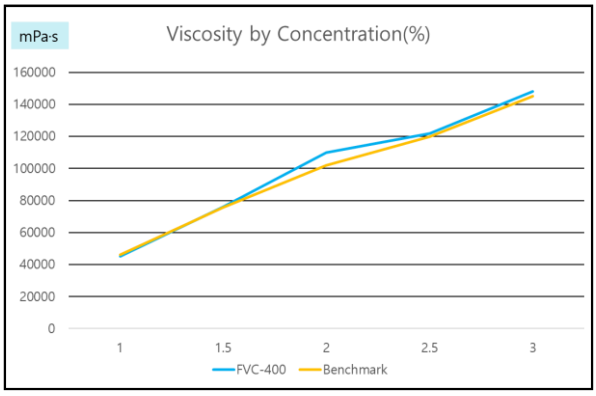
•Proper storage temp.: Indoor storage < 35℃

•Please refer to the COA and MSDS for more details

The specifications and typical characteristics are approximate figures and they are not to be construed as warranties.

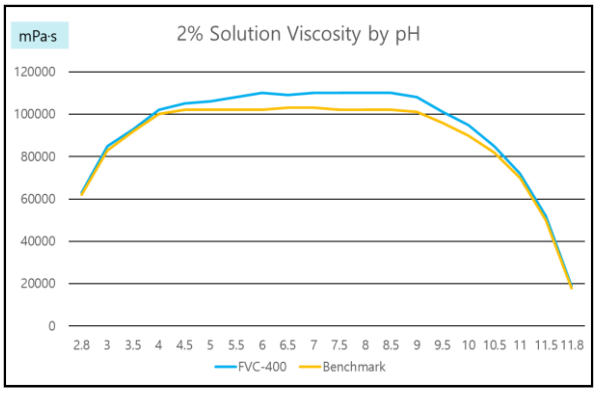
Thickening Efficiency FVC-400(Viscocare-P400F)

Effect of concentration on the viscosity of **FVC-400(Viscocare-P400F)**



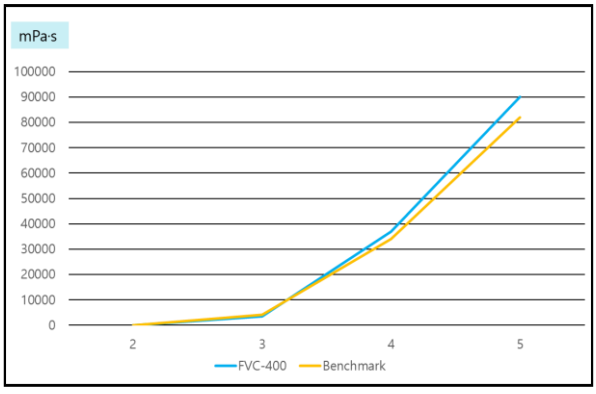
- Concentration 1.0 – 3.0 %
- RVT Viscometor
- The **FVC-400(Viscocare-P400F)** viscosity profile

  is very similar to the benchmark one



For test of viscosity variation as pH

- 2% **FVC-400(Viscocare-P400F)** solution(in Water)
- Add Lactic acid or 10% NaOH solution
- Maintain from pH 3.0 to 11 of high viscosity



Effect of Salt(NaCl) on the viscosity of **FVC-400(Viscocare-P400F)**

For testing resistance on electrolytes
Add 0.6% NaCl to **FVC-400(Viscocare-P400F)** solution(in water) of various concentration, and measure the viscosity.