

FVC-P50 (Viscocare-PA50F)

CHARACTER

- Is a flowable emulsion-type consisting of Polyacrylamide, C13-14 Isoparaffin and Laureth-7.
- Improves emulsion stability of cosmetics & resistance to electrolytes
- Sensory of FVC-P50 is soft, creamy and smooth feeling.
- FVC-P50 increases viscosity over a wide range of pH and has stability.

APPLICATION

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

COMPOSITION

- Classification : Synthetic polymer
- INCI Name :
Polyacrylamide & C13-14 Isoparaffin
& Laureth-7
- CAS No. :
38193-60-1 / 64742-47-8 / 3055-97-8
- EINECS No. :
N/A / 265-149-8 / 221-283-9
- CHINA : listed in IECIC

Specification

No	Inspection	Unit	Specification
1	Appearance	-	White emulsion liquid
2	2% pH		5.0 ~ 7.0
3	2% Viscosity	cps	65,000 ~ 90,000
4	Direct Viscosity	cps	1,500 ~ 4,500
5	Solid content	%	45 ~ 49
6	Residual acrylamide	ppm	2.0 max

Typical Characteristics

- Is very easy to use, just add to your formulation after mixing oil and water phases to enhance stability and modify rheology.
- Is convenient emulsifier, rheology modifier, thickener, and acting as a stabilizer.
- Input use at all stages of the process, cold & hot process is possible, and no need for neutralization.
- Self-emulsifying and emulsifying up to 40% of oil.
- Is possible to increase the viscosity in the pH range of 3-11, and it has excellent resistance to electrolyte and thickening power.
- Acts as a conditioning agent for the hair and prevent static electricity to facilitate hair care
- Sensory profile :
 - Creamy and non-greasy soft film on the skin,
 - Soft and smooth feeling.

• Packaging unit : 20KG/ PE drum

• Self life: 3 years

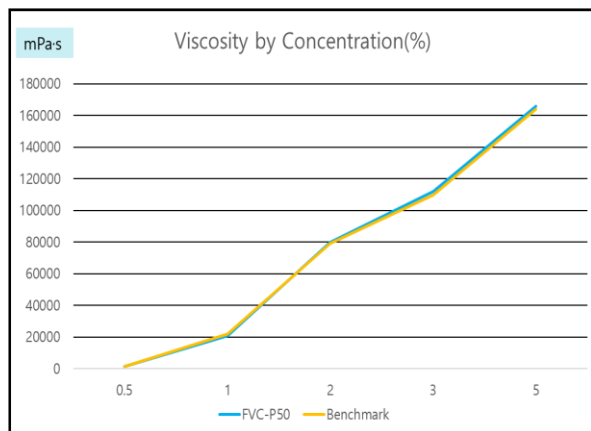
• Proper storage temp.: Indoor storage < 35°C

• Please refer to the COA and MSDS for more details

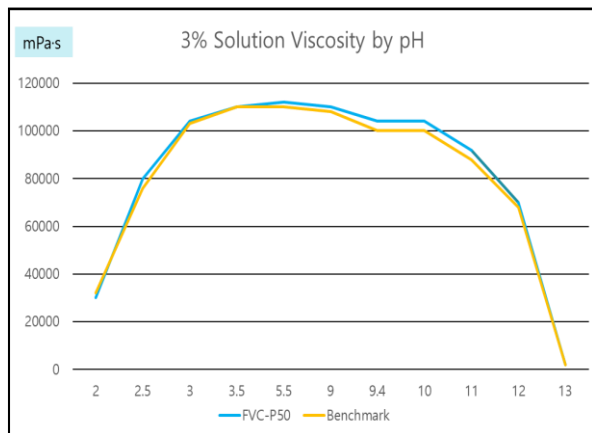
The specifications and typical characteristics are approximate figures and they are not to be construed as warranties.

Thickening Efficiency FVC-P50(Viscocare-PA50F)

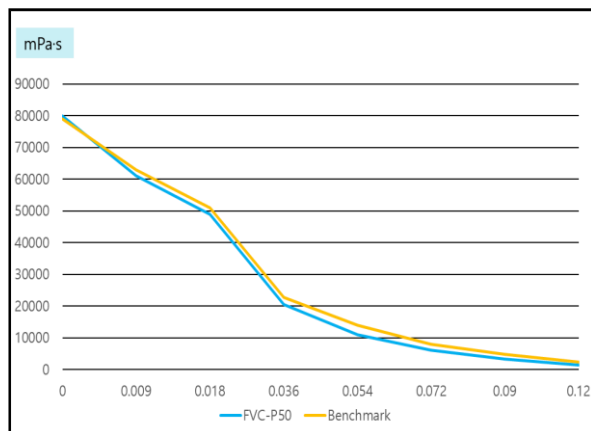
Effect of concentration on the viscosity of FVC-P50(Viscocare-PA50F)



- Concentration 1.0 – 5.0 %
- RVT Viscometer
- The **FVC-P50(Viscocare-PA50F)** viscosity profile is very similar to the benchmark one



- For test of viscosity variation as pH
- 3% **FVC-P50(Viscocare-PA50F)** solution(in Water)
 - Add Lactic acid or 10% NaOH solution and measure the viscosity.
 - Maintain from pH 3.0 to 11 of high viscosity



- Effect of Salt(NaCl) on the viscosity of **FVC-P50(Viscocare-PA50f)**
- For testing resistance on electrolytes
 - Add various concentrations of NaCl to 2% **FVC-P50(Viscocare-PA-50F)** solution(in water) and measure the viscosity.
 - Decreasing trend of viscosity is similar