

Compound Thickener For Reactive Printing

SEATEX CP-20

活性印花用复合糊料

Introduction

In cotton printing, Sodium Alginate is the most widely used printing thickener. The main raw material of Sodium Alginate is seaweed. The quantity and quality of seaweed crop greatly influence the price and quality of Sodium Alginate. Our lately developed compound thickener SEATEX CP-20 can well keep the quality and cost consistency, while maintain most advantages of Sodium Alginate as a printing thickener.

Characteristics

- s Extremely high color yield and color brilliancy, very good printing sharpness
- s Excellent viscous stability, anti-dilution property and electrolyte compatibility
- s Good acid & alkaline resistance, good chemical compatibility
- s Good wash-off property, similar softness of prints as using Sodium Alginate
- s Preservative treated, longer shelf life
- s No APEO, comply with OEKÖ-TEX 100 standard

Specifications

- s Appearance : Cream-colored powder or flakes mixture
- s Paste Conc. : 5%
- s Viscosity(5%) : $35,000 \pm 3,000$ cps (25°C)
- s P.V.I. : > 0.45 (5%)
- s Ph Value : 9 ± 0.5
- s Solubility : Soluble in cold water
- s Purity : Optimal, suitable for all printing equipments
- s Ionic : Anionic

Remarks:

Viscosity observed with Brookfield DV-II+Pro viscometer, spindle No.6, 20rpm

P.V.I. checked with Brookfield DV-II+Pro viscometer, spindle No.6, 20 rpm / 2 rpm

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Application

- s Stock Thickener recipe:

Component	Recipe	Remark
SEATEX CP-20	5%	
Water	95%	
TOTAL	100%	

* Using high-speed stirrer to prepare stock thickener. Adding SEATEX CP-20 into the container while slowly stirring the water, keep on stirring under high-speed for 30~60 min. Put aside wait for 2~4 hrs until the paste fully swelled. Then stirring again for a while before using.

- s Color Paste recipe:

Component	Percentage	Remark
Stock Thickener	40~60%	
Urea	5~10%	
Resist Salt 1:4	4~6%	
Defoamer (optional)	0.1~0.2%	
Preservative (optional)	0.05~0.1%	
Sodium Carbonate	1.5~2.5%	or sodium bicarbonate 2~3%
Reactive Dystuff	X%	
Water	Y%	
TOTAL	100%	

- s Referable Printing Procedure:

Fitness	Cotton or Viscose - Steaming: 101~103°C, 8~10 min Cotton - Thermal: 150°C, 5 min
Washing	cold bath → hot bath (near 100°C) → cold bath

Packing & Storing

- s 25 kg nett laminated bag (incl. vinyl liner), palletized packing available
- s Store in cool and dry place. Prevent dust and dampness.
- s Although Seatex CP-20 is preservative treated, small dosage of additional preservative should be added in extremely hot and wet environment.

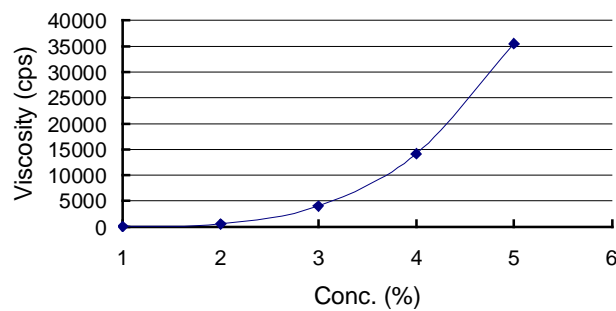
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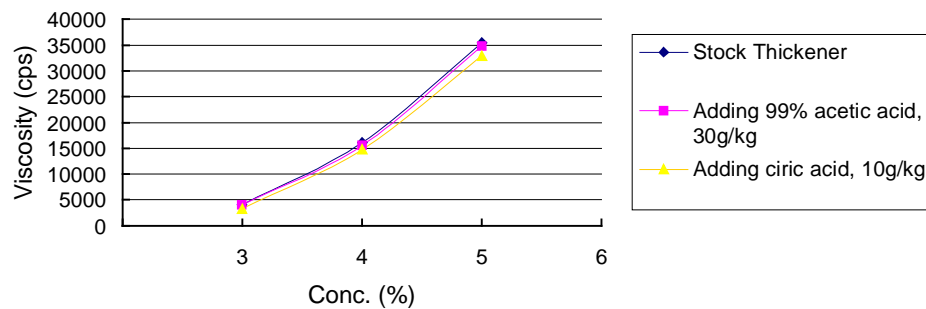
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SEATEX CP-20 Viscosity, Acid & Alkaline Resistance Diagram

s Viscosity Diagram



s Acid Resistance Diagram



s Alkaline Resistance Diagram

