

ABLUSOFT SK conc.

(Anionic softener with excellent re-wetting and non-yellowing)

ABLUSOFT SK conc. is an anionic softener specially developed for towels, underwear, diapers and all knit goods. It is a highly concentrated product.

ABLUSOFT SK conc. has excellent softening and excellent water absorbency properties for cotton knits. It is a very good softener either used alone or in combination with nonionic emulsion formulas and fixing agents. It is one of the easiest systems to formulate and to handle.

1. General Properties :

Appearance	:	Light yellow semisolid paste
Main component	:	Special ester, anionic surfactant
Ionic nature	:	Anionic
Activity	:	94 % Min.
Volatility	:	6 % Max.
pH (1% Solution)	:	7.0 - 9.0
Melting point	:	56 - 64°C

2. Features :

- A. **ABLUSOFT SK conc.** gives a slick hand and an excellent softening performance for knit cotton in short time.
- B. Excellent water absorbency, suitable for towels and underwear.
- C. Excellent lubricancy, improves sewability and minimizes pin-hole problems.
- D. Excellent compatibility with fluorescent dye and blue agent, and does not reduce the fluorescent whitening.

備

註：

本資料係以本公司現行所及經驗為基礎，鑑於影響加工結果因素頗多，因此本資料並不免除使用者自行測試與修正之責；而且本資料也不得視為對某些特性或特殊用途適用性之保證，各廠於大樣使用前乃須先進行小樣測試。



3. Dilution :

ABLUSOFT SK conc. : 157 KG
HOT WATER (60 - 80 °C) : 843 KG

ABLUSOFT SK 150 1,000 KG

- A. Pre-melt or charge **ABLUSOFT SK conc.** to vessel, melt, agitate and maintain temperature at 70 - 80 °C.
- B. Add 200kgs hot water (70 - 80 °C), well agitate until homogeneous. Add other 643kgs hot water (60 - 70 °C) in 3 times. Agitate for more 30 - 60 mins. Packing until temperature below 40 °C.

4. Application :

(1) Knit cotton, bleaching

Sample	Soft-ness	Sewability (Pin-hole No.)	Water absorbency (Height in mm)			Elasticity (%)	
			30 sec.	5 min.	10min.	stretch	return
Blank	×	45	35	80	92	106	88
ABLUSOFT SK conc.	◎	2	26	58	69	116	93
Other products B	○	21	16	28	36	110	90
Other products G	◎	16	5	12	18	114	93

Other products B: Anionic product from other company

Other products G: Anionic product from other company

〈 Pretreatment condition 〉

Test cloth : 100% knit cotton, bleaching.
Concentration : **ABLUSOFT SK 150** 5% o.w.f.
(**ABLUSOFT SK conc.** 1% o.w.f.)

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Dipping : 40°C x 15 min.
 Liquor ratio : 1 : 20
 Pick up : 80 %
 Drying : 100°C x 60 min.

(2) Towel cloth

	Softness	Water absorbency
Blank	×	less than 1 sec.
ABLUSOFT SK	○~◎	less than 2 sec.
Other products B	○	less than 60 sec.
Other products E	◎	more than 300 sec.

Other products E: Nonionic softener from other company

〈 Pretreatment condition 〉

Test cloth : 100% towel cloth
 Concentration : **ABLUSOFT SK 150** 3% sol.
 (ABLUSOFT SK conc. 0.5% sol.)
 Dipping : 25°C x 2 min.
 Liquor ratio : 1 : 20
 Pick up : 100 %
 Drying : 80°C x 60 min.

(3) Knit cotton, colored

(add 100% nonionic emulsifier in formulation)

Sample	Softness	Sewability		Abrasion fastness	
		Organ9J	Organ11	dry	wet
Blank (no fixing agent)	×	36	500↑	4-5	2-3
ABLUSOFT SK conc. + nonionic	◎	6	130	4	2-3
Other products K	○	29	200	4	2-3

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Other products K: Combine with fixing agent

〈 Pretreatment condition 〉

Test cloth : 100% knit cotton, colored
 Concentration : Senka Fix 157 3%
 ABLUSOFT SK 150 5% o.w.f.
 (ABLUSOFT SK conc. 0.1% o.w.f.)
 Dipping : 50°C x 10 min. + 10 min.
 Liquor ratio : 1 : 20
 Pick up : 100 %
 Drying : 100°C x 6 min.

(4) Test condition

- 1) Softness : test by hand
- 2) Water absorbency : Water absorbing method
- 3) Elasticity : Sedimentation method
- 4) Sewability : Sewed speed 4000 rpm/min.
pin-hole No. 4500
- 5) Abrasion fastness : JIS L-0849

5. Storage :

ABLUSOFT SK conc. can be stored in its original containers for at least one year. Keep away from heat and open flames.

6. Packing : **ABLUSOFT SK conc.** is supplied in 20 kg paper box.

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