

ABLUTEX WA-600

(Hydrophilic warm water soluble one bath softener)

General Description

ABLUTEX WA-600 is a multi-functional water soluble polymer resin, which can act as one bath softener for polyester, nylon and its blends. It can also be used as a durable water absorbency and wash fastness enhancer during finishing process, as well as anti-crease, anti-static and soil releasing agent.

Specifications

Nature	:	Special polymer surfactant
Appearance (at 25°C)	:	Yellow flakes
Ionic Type	:	Nonionic
pH (1% aq.)	:	4.0 – 6.0
Solubility	:	Soluble in warm water (65°C)

Special Features

- 1 ABLUTEX WA-600 imparts excellent water absorbency and wash fastness to fabric.
- 2 ABLUTEX WA-600 imparts soft and silky handfeel to fabric.
- 3 ABLUTEX WA-600 gives anti-crease and anti-static effects to fabric.
- 4 ABLUTEX WA-600 can be used as a soil releasing agent for synthetic fabrics.
- 5 ABLUTEX WA-600 can remove oil and wax, as well as prevent it from re-deposition.

* This information and our technical advice are given in good faith but without warranty.



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Dilution

For 15% concentration : Add ABLUTEX WA-600 (15 kg) into warm water (85 kg, 65 – 80°C) and stir until completely dissolved. Filter the cooled mixture to obtain slightly viscous 15% ABLUTEX WA-600 solution.

Please note that as the product consists special polymer structure so slight precipitate may be found upon filtration. This is a normal phenomenon and does not affect the efficacies of the product. The product will become very viscous(ie. poor flow-ability)once the solution concentration is above 20%.

Typical Formulation

For scouring and dyeing bath : 1.0 – 3.0 g/l, of the diluted 15% ABLUTEX WA-600
For soil releasing treatment : 2.0 – 4.0 g/l, of the diluted 15% ABLUTEX WA-600

Experimental Data

Please see Appendix – ABLUTEX WA-600

Storage

All products should be stored in a cool, dry, well-ventilated and without direct sunlight location, as well as stored in the original packages (eg. originally packed drum). Providing all those conditions met, the product purchased should be able to retain its full efficacies for one year, from the date of manufacture.

Packing

20 kg / bag

Please note that all methods, formulations and data given were obtained under specific conditions and are given in good faith, but without warranty. We strongly recommend that one should always test the product prior to mass usage.



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Appendix – ABLUTEX WA-600

One Bath Softener – Wash Fastness and Water Absorbency Test

Agent : Blank
 ABLUTEX WA-600 : 2.0 g/l
 Competitor : 2.0 g/l

Fabric : Polyester knitted, nylon knitted, and N/OP knitted

Evaluation : Used above conditions and judge the wash fastness by comparing their water absorbency (through capillary phenomenon of one minute on fabric and measure the height when it is dried). The higher it climbed the better wash fastness and water absorbency it is.

Result :

Polyester Knitted			
Agent Washing Time	Blank (cm)	ABLUTEX WA-600 (cm)	Competitor (cm)
L-0	9.5	16.5	15.0
L-5	4.5	14.5	13.0

Nylon Knitted			
Agent Washing Time	Blank (cm)	ABLUTEX WA-600 (cm)	Competitor (cm)
L-0	10.9	12.5	11.1
L-5	9.0	11.1	9.9

N/OP Knitted			
Agent Washing Time	Blank (cm)	ABLUTEX WA-600 (cm)	Competitor (cm)
L-0	7.2	10.5	9.1
L-5	6.1	8.5	7.6

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Finishing Treatment – Wash Fastness and Water Absorbency Test

Agent : Blank
 ABLUTEX WA-600 : 20 g/l
 Competitor : 20 g/l

Fabric : Polyester knitted

Evaluation : Used above conditions and judge the wash fastness by comparing their water absorbency (through capillary phenomenon of one minute on fabric and measure the height when it is dried). The higher it climbed the better wash fastness and water absorbency it is.

Result :

Polyester Knitted			
Agent Washing Time	Blank (cm)	ABLUTEX WA-600 (cm)	Competitor (cm)
L-0	3.3	13.0	11.8
L-5	1.0	12.8	8.5

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