

ABLUTEX WA-200A

(Anti-crease/ Hydrophilic/ Durable Softening Agent)

ABLUTEX WA-200A is an innovative multi-functional finishing agent for polyester and other synthetic fiber with:

A. Anti-crease agent (Dye bath lubricant)

ABLUTEX WA-200A is a hydrophilic polymer providing lubricity on fiber surface to eliminate crease mark forms, especially at difficult-dyeing fabrics such as microfibers and reweighed polyester.

B. Hydrophilic / Soil release agent

Polyester was the fiber of choice due to its good tensile strength and anti-crease properties. However, polyester also has some undesirable properties such as:

- Inherent hydrophobic
- Poor conductivity resulting in static builds up
- Easily soiled / difficult to clean

ABLUTEX WA-200A is a hydrophilic polyester polymer whose structure is very similar to that of polyester fiber. It forms a continuous hydrophilic layer on the surface of polyester fabric to provide moisture absorbency and eliminate static build up. Also, the hydrophilic layer will prevent the oil from contacting the hydrophobic polyester surface.

C. Excellent durable softener

ABLUTEX WA-200A is an aromatic polyester polymer. The aromatic center of **WA-200A** and polyester fiber will form a strong attraction and provide durability of silicone-type soft hand.



With the applied of **WA-200A**, polyester and polyester blend now can be vested with many desirable features of natural fibers, either through exhaustion or pad-cure method.

1. General Properties :

Appearance	: White to yellowish flake
Ionic	: Anionic / Nonionic
pH(1%)	: 4 – 6
Solubility	: Dispersible in hot water

2. Features :

- A. Provides fiber to fiber lubricity eliminating fabric abrasion and crease marks thus accommodating low liquor ratio and over-load processes.
- B. Provides moisture transport layer for level dye migration eliminates fabric floats and promotes on-tone shade development.
- C. Eliminates oligomer build-up and keeps machine parts clean.
- D. Provides hydrophilic barrier preventing re-deposition of spinning and knitting oils.
- E. Provides high exhaustion rate minimizing effluent discharge and dye bath foaming.
- F. Improves the dyeing performance of compact and rapid dyes.

3. Dilution Method :

Ablutex WA-200A :	150kgs
Hot Water(90~95 °C):	850kgs

Ablutex WA-200A (Dilution) : 1000kgs

Put **Ablutex WA-200A** into a tank and then add 90~95°C hot water. Remain water temperature at 90~95°C and keep stirring 3~4hrs till dissolving completely. Then reduce water temperature under 40°C and pack.



4. Application :

Dyeing:

Fabrics : PET Knitted
Dye : Orange 2R-FS 1% o.w.f
Combine with Ablutex RTM 0.3g/l
pH: 4.5
T.t : 130°C × 30'

Padding:

Agent:

Blank
Other(USA)
Other(Japan)
WA-200A

Dosage : 0.3g/l
Padding -> Dry -> 170°C × 1'

Durable softener with water absorbency:

Washing Agent 3g/l , 【50°C × 12'】 × 5 times

Water absorbency: (cm)

Times/Agent	Blank	Other(USA)	Other(Japan)	WA200A
L-0	3.0	13.1	13.2	13.2
L-5	2.5	12.2	9.7	12.3

Dosage: (1) Padding : 0.2 ~ 0.5 % (o.w.f)
(2) As a dye bath softener and soil release agent : 0.1 ~ 0.3 %(o.w.f)

5. Packing : Ablutex WA-200A is supplied in 60 kg per drum.

