

## TECHNICAL INFORMATION

### SEGALUB PE Conc

Polyethylene emulsion provides slippage and seam ability to the fabric which can be used for natural and regenerated cellulose fibers and their mixtures

- Segalub PE Conc; provides very slippery touches on all natural and synthetic fibers and their blends
- Segalub PE Conc; provides ease of sewing especially in bobbin dyed products and for a perfect touch.
- Segalub PE Conc; increases the friction and tear strength of woven and knitted fabrics.
- Segalub PE Conc; improves the strength and abrasion values of resin finished products
- Segalub PE Conc; increases the effects significantly in products with raising.
- Segalub PE Conc; does not impair the fastness or done of direct,reactive or disperse dyes.
- Segalub PE Conc does not increase the thermomigration of disperse dyes on polyester fiber.

## PROPERTIES

Chemical Structure	Polyethylene emulsion
Appearance	Slightly turbid yellowish liquid
pH	8.0-10.0
Ionic Character	Nonionic
Solubility	It can be diluted with cold water at any ratio

## APPLICATION

### Mechanism of Effect

#### Sewability increment

Segalub PE Conc increases the slip of the yarn. It allows the development of sewability of knitting and other textile products. Friction reducing slip to product saves. Even in a very fast machine it eliminates problems considerably (hole formation,damage to the bone,needle and thread breakage etc.)

#### Attitude

Segalub PE Conc ensures product soft, pleasant, supple and plump of product. Good alternative for use of silicon. Segalub PE Conc with by using plasticizers and silicone elastomers can be obtained different kinds of attitudes.

#### Effect on white products

The transaction with Segalub PE Conc does not affect the degree of whiteness of the bleached product.

#### Sublimation behavior

It does not sublimation even during the shock fixation at high temperatures. For this reason, the stenter

#### Raised and sandpapered products

Segalub PE Conc increase the flexibility of products during the raising and sanding and it supports the mechanical action of brushing and sanding rollers. Stable results can be obtained very cheaply.



## **SAMPLE APPLICATION**

### **Foulard Method**

#### Synthetic fibers (sample recipes)

5–20 g/L Segalub PE Conc

Padding with optical brighteners if desired, 70–100 % pick up.  
Suitable conditions for fabric drying and fixing.

#### Cellulosic fibers (sample recipes)

5–45 g/L Segalub PE Conc

Padding with optical brighteners, softeners or silicone elastomers if desired, 70–100 % pick up. Suitable conditions for fabric drying.

#### Resin finishing (sample recipes)

5–45 g/L Segalub PE Conc

40–60 g/L Fixture SFK

Padding with optical brighteners, softeners or silicone elastomers if desired, 70–100 % pick up. Suitable conditions for resin drying and fixing.

### **Exhaust Method**

0.5–2.0% Segalub PE Conc

pH: 4.5–5.0

Bath liquor: 1:5–1:20

Temperature: 40–50°C

Duration: 20–30 min.

Fixed temperature: 130–150°C

### **Storage and handling**

Suitable storage condition is 12 months in closed containers.

(Sensitive to freezing and temperatures above 40°C)

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