

## TECHNICAL LITERATURE

### SILTEX 30407/Luxtrol-PT

**Siltex 30407/Luxtrol-PT** is a specially formulated amino functional silicone based textile softener, which provide an excellent softness with an EXTRA GLAZE and SILKY effect on the fabric. It imparts an elegant, luxurious, soft & silky handle to all types of fabrics. It penetrates deep into the fibre giving a luxurious soft handle.

#### CHARACTERISTICS :

<b>CHEMICAL NATURE</b>	: Amino functional silicone
<b>APPEARANCE</b>	: Clear to slight hazy emulsion.
<b>CONSISTENCY</b>	: Liquid
<b>IONIC NATURE</b>	: Non-Ionic.
<b>pH</b>	: 4 - 6
<b>SOLUBILITY</b>	: Miscible with water at all proportions.

#### PROPERTIES :

- **Siltex 30407/Luxtrol-PT** imparts an EXTRA GLAZE and SILKY HANDLE to the fabric
- It provides a good drape characteristic and high resiliency.
- Strong shape retention.
- Gives durable finish.
- High lustre.
- Improved tear strength.
- Stable over a broad pH range.
- Low yellowing
- Excellent effect at low levels of addition.
- Compatible with most organic solvents and other textile auxiliaries.
- Stable to shear forces, electrolytes and hard water.

#### APPLICATIONS :

- Siltex 30407/Luxtrol-PT can be applied by padding from 5g/l to 30g/l.
- The fabric is dried over 130°C and Cured at 180°C.
- To ensure prolong stability it is recommended that the following operating conditions are maintained :
- Do not exceed a temperature of 60°C in dilution operate in a pH range of 3 - 5.5.
- Very dilute stock solutions should not be stored for longer than 72 hours at ambient temperature
- Compatibility of all products in the finishing bath should be checked prior to use.

**Following are some recommendations for different qualities and Fibres:**

#### **PES/CO Fabric 65: 35 blend**

- i) Siltex 30407/Luxtrol-PT            6 g/l  
Siltex 23007                                4 g/l  
Siltex 30098CS                            15 g/l  
Pad with 70% pick up, dry at stenter at 180°C.



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ii) Siltex 30407/Luxtrol-PT	20 g/l
Siltex 44001	10 g/l
Siltex 30098CS	5 g/l

Pad with 70% pick up dry at stenter at 180°C.

#### **PES/CO Knitted fabric 65:35 & 50:50 blend:**

Siltex 30407/Luxtrol-PT 15-20 g/l  
Pad at 85% pick up; dry at 135°C for 2-3 min.

#### **100% cotton woven fabric :**

30200/Resin	80 - 120 g/l
Magnesium Chloride catalyst	25 - 35 g/l
Siltex 30407/Luxtrol-PT	10 g/l
Siltex 44001	15 g/l
Siltex 30098 CS	20 g/l
Siltex 30349/Wetol APF	0.5 g/l
Pick up	70 %

Dry for 60 seconds at 150°C.  
Cure for 3 minutes at 150°C.

#### **Polyester 100% :**

Siltex 30407/Luxtrol-PT	20-30 g/l
Siltex 44001	10-15 g/l
Siltex 30349/Wetol APF	0.5 g/l
pH	4-5
Pick up	70 – 80 %

Dry for 60 seconds at 150°C.  
Cure for 3 minutes at 150°C.

#### **STORAGE AND SHELF LIFE:**

When stored at ambient conditions Siltex 30407/Luxtrol-PT has a shelf life of about 12 months from the date of manufacture.

NOTE: The information contained in this data sheet is the results of careful tests carried out objectively. Their purpose is to help our customers but do not imply any engagement on our part.