

# POLYSOFT SIL Conc.

**Amino-functional silicone micro-emulsion softener for all kind of fibers**

- Properties:**
- provides a very soft, elegant hand and high surface smoothness on most types of fabrics.
  - can be co-applied with other cationic and nonionic products.
  - improves the sew-ability especially of knitted goods and shows a remarkable wash and dry cleaning fastness and does not disappear the features after several washes.
  - imparts good anti-static property with an elastic softness.
  - can be used to the finishing of white goods thanks to its non-yellowing type.
  - has no problem of gumming-up both in padding treatment and bath treatment.
  - improves technological features of the goods (crease recovery, abrasion resistance, edge tearing resistance) on high grade finishing.

## Field of application

- Substrate** : different kind of woven and knitted goods made of natural and synthetic fibers and their blends
- Aggregate** : exhaustion and padding machines
- Operation** : softening and antistatic improving finishes

## Characteristics

- Type of product** : amino-functional polysiloxane micro-emulsion
- Appearance** : clear colorless emulsion
- Ionic nature** : slightly cationic
- PH of 1% sol.** : About 6

## **Application**

**Dissolving method** : pre-dilute with cold water. It shows a good stability. The pH-value of the liquor should be slightly acid.

### **Guide recipes:**

**Exhaustion method:** 1.0-2.5 % o.w.f. of **POLYSOFT SIL Conc.** related to L: R=1-10,  
PH: 5.0-6.0, Temperature: 35-40°C, Time: 20-30 min.

**Padding method:** 10-25 g/l **POLYSOFT SIL Conc.** related to liquor pick up  
100% Dry in wet, pH: 5.5-6.0, drying at 110°C and curing for 4 min. at 130°C.

**Storage stability** : 12 months in closed original containers.

The indications given herein correspond to practical experiences. Owing to the differences in local conditions they cannot claim to be complete, so that any liabilities - also with a view to claims of third parties - are excluded.