

POLYSOFT HY Conc.

Hydrophilic silicone-based softener

- Properties** : - provides a very good hydrophilicity to the fabrics.
- is applicable in all kind of fibers, specially in cellulosic fibers (towels).
 - increases the elasticity and improves anti-wrinkling properties and sew-ability.
 - can be used to the finishing of white goods thanks to its non-yellowing type.
 - improves technological features of the goods (crease recovery, abrasion resistance, edge tearing resistance) on high grade finishing.
 - compatible with other finishing agents and cross-linking agents used during resin finishing.
 - gives an excellent and warm handle on cellulosic fibers and much apply to continuous process as apply to exhaustion.
 - can be used for underwear products that required hydrophilicity while in touch with skin.

Field of application

Substrate : all kind of fibers and their blends, especially cellulosic articles or terry towels.

Aggregate : exhaustion, padding methods

Operation : softening, antistatic improving , good handling and hydrophilicity finishes

Characteristics

Type of product : modified amino-functional silicone oil emulsion

Appearance : clear emulsion

Ionic nature : non-ionic

Application

Dissolving : Can be mixed with water in any ratio. Water should be added on the product little by little. Don't use high-speed stirrer while diluting.

Guide recipes : Temperature of the application bath must not exceed 50°C and pH of the bath must stay 5.0-5,5. Preliminary lab trials are recommended.

Exhaustion method : 2.0-4.0% o.w.f. of **POLYSOFT HY Conc.** related to L:R=1-20,
pH: 5.0-5.5, Time: 20-30 minutes at 40-50°C.

Padding method : 20-40 g/l **POLYSOFT HY Conc.** related to liquor pick up 80-90%
Dry in wet, pH: 5.0-5.5, drying at 110°C and curing at 130°C for 4 min.

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.