

POLYSOFT MIS500

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 colourless 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 MIS500** 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 MIS500** 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.