

Dongguan Landtool New Materials Co., Ltd

High-concentration hydrophilic copolymer silicone LT-945

LT-945 is a high molecular weight organosilicon compound, which is formed by quaternary amination of epoxy terminated silicone and tertiary amine. It is mainly used for finishing natural fibers such as cotton, linen, silk, wool and their regenerated fiber with excellent hydrophilicity, soft & smooth hand feeling and stability.

● Technical Specification

- ☆ Appearance: Transparent viscous liquid
- ☆ Ionicity: Weak cationic
- ☆ PH Value: 6.0~7.0
- ☆ Active content: 55%

● Properties

- ☆ Hydrophilicity ★★★★★
- ☆ Smoothness ★★★★★★
- ☆ Softness ★★★★★
- ☆ Fluffiness ★★★★★
- ☆ Elasticity ★★★★★

● Product Features

- ☆ It is used in cotton/tencel/modal knitted fabrics with excellent soft, smooth and resilient effect
- ☆ It has a good smooth, soft and resilient effect on knitted or woven fabrics, such as cotton, polyester cotton, linen, wool, silk and cotton linen blends.
- ☆ Can meet the smooth, soft and resilient hand feeling of different fabrics.
- ☆ Safety & convenience: do not contain APEO, can meet the environmental requirements. No yellowing and can be re-dyeing.

● Application

Referenced usage (can be adjusted according to actual production)

LT-945(after diluted)

- ☆ Padding:

Dosage: 5~30g/L

Process: one dip and one pad or two dips and two pads

- ☆ Dipping:

Dosage: 2.0~5.0%(o.w.f)

Liquor ratio: 1:10~15

Diluting method: 1:2, first add LT-945 with a small amount of water, when stirring evenly, add water slowly in batches then stirring till it forms translucent to transparent emulsion without particles.

● Storage & Packing:

Shelf time: Six months when store in cool, dry and shaded warehouse

Packing: 120KG/plastic drum

Compatibility of other auxiliaries and process need to be checked before application