

# Dongguan Landtool New Materials Co., Ltd

## Soft & Smooth amino silicone LT-620

A new generation of modified, self-crosslinked high-class amino silicone softener, containing a variety of special functional groups of soft silicone, provides a unique soft, fluffy & resilient handfeel. LT-620 has strong applicability and can be used in dipping and continuous padding processes. The emulsion has good shear resistance, PH and electrolyte stability and suitable for soft and smooth finishing of various fiber fabrics.

### ● **Technical Specification**

- ☆ Appearance: Pale yellow transparent or semi-transparent viscous liquid or paste
- ☆ Viscosity: 1000~2000cst
- ☆ Ionicity: Weak cationic
- ☆ Solid content: 100%
- ☆ PH value: 6.0~8.0

### ● **Properties**

- ☆ Soft, smooth, natural, non greasy hand feel; good resilience and drapability.
- ☆ Excellent long-lasting finishing effect, not easy to cause roller sticking, yarn splitting, oil stains and other defects.
- ☆ It is suitable for all kinds of fiber fabrics, can obviously improve the softness and smooth handfeel of wool, 100% cotton, polyester/cotton, polyester/viscose and its blended fabrics.
- ☆ No alkylphenols, safe and environment-friendly
- ☆ Good compatibility: can be used alone or re-compounded with other textile auxiliaries.

### ● **Application**

LT-620 is crude oil with 100% active content, cannot be used directly. Firstly, it must emulsify by corresponding emulsion process. Secondly, dipping 20~30 minutes or continuously padding after the emulsion was further diluted to 1-2% of finishing solution and PH value was adjusted to 5-6. Thirdly, drying at 80-105°C and baking at 160°C for 1 minute. The optimal dosage can be adjusted according to the fabric and hand feeling requirements.

### ● **Storage & Packing:**

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

Packing: 120KG/plastic drum, special packing can be customized

---

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