

## Antibacterial agent 5708-TN

5708TN is a durable and eco-friendly silicone-type antibacterial agent. It can prevent color-changing or deterioration by bacteria, micro-bacteria, algae, and yeasts. It has excellent performance and high economic benefits. It can apply in the setting and padding process of natural fibers, chemical fibers, and mixture fibers.

### Physical Properties

- Appearance : transparent to yellow liquid
- PH value : 7.0~8.0
- Iconicity : cationic
- Solubility : Soluble in water or alcohol

### Characteristics

- The product is non-toxic. It doesn't irritate the skin.
- The product passed FZ/T 73023-2006 standard AA test.
- It has an excellent resistance to washing and no affecting on the hand touch.
- It can prevent bacteria and mildew growth.

### Application

- Please have pre-test before mass production.
- Application suggestion
  - Padding method:
    1. Diluting 5708TN with suitable solution and required concentration.
    2. Once dipping and padding.
    3. Controlling the pick-up ratio at 3-5%(o.w.f).  
The pick-up ratio should follow the weight of fabrics.
    4. Drying at 120 °C × 5min
  - Dipping method:
    - [Cotton]
      1. General dosage is 3.0-5.0% (o.w.f).
      2. Bath: 10-15 : 1 (liquid : fabrics).
      3. Dipping at normal temperature → rising temperature to 40°C × 20-30min → dehydration and drying.
    - [Nylon]
      1. General dosage is 4.0-5.0% (o.w.f).
      2. Bath: 10-15 : 1 (liquid : fabrics).
      3. Dipping at normal temperature → rising temperature to 50°C × 20-30min → dehydration and drying.

### Attention

- Please adjust the dosage and method based on the actual requirement.
- Please keep the fabric away from anionic material and pH value being neutral.

- Before use, please check the water absorption of the fabrics. For hydrophobic fabrics, please add a hydrophilic enhancing agent for increasing the pick-up ratio.
- In the padding process, please apply 5708-TN before the hand-touch finishing process.

#### Package

- 25Kg / Drum
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#### LIMITED WARRANTY INFORMATION – PLEASE READ BEFORE ANY APPLICATION:

- The data presented in this brochure are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt.
- We reserve the right to alter product constants within the scope of technical progress or new developments.
- The recommendations made in this brochure should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used.
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