

Soft and smooth hydrophilic silicone oil for cotton WF-6513N

Chemical Structure

Special block organosilicon polymers

Technical Index

Item	Standard
Appearance	Light yellow liquid
Solid Content, %	78-81%
PH Value (1% water solution)	7.0-8.0
Ionic	Weak cationic/Nonionic

Features and Advantages

1. It can endow fabrics with a soft, smooth and silky after-treatment effect.
2. It has good hydrophilic effect.
3. With a special molecular structure, it does not stick to rollers, has no silicone spots and does not float oil.
4. It has good stability and can resist certain alkali, electrolytes and anions. It can be used in combination with other non-ionic and cationic auxiliaries.

Application

Soft, smooth and hydrophilic finishing suitable for cotton, rayon and Tencel fabrics.

Crude oil emulsification:

Mix the crude oil and water at a ratio of approximately 1:2 (adjust the emulsification ratio as needed based on the required content). Use cold water for emulsification; if conditions permit, heat to around 30°C. First, add the crude oil and 3% acetic acid. Then, turn on the stirrer and gradually add water in portions of 0.1, 0.2, 0.3, 0.4, and 0.5 parts, each time for 15-20 minutes. A blue, transparent emulsion can be obtained. Stop stirring and filter the product for discharge.

1. Impregnation method: Emulsion dosage: 0.4-1.5% (o.w.f), impregnate at room temperature for about 10-20 minutes, then dehydrate and dry at 100°C or set at 170-200°C.
2. Padding method: Emulsion dosage: 10-30g/L, one impregnation and one padding → setting.

Package

120KG Plastic Drum or other packing on request. Sealed and light-proof storage.

