Amino silicone oil
WF-8307N

Chemical Structure

Amino silicone oil

Technical Index

Item	Standard
Appearance	A slightly yellowish and viscous liquid
Solid Content, %	≥95%
PH Value (1% water solution)	4.0-6.0
Ionic	Cationic/Nonionic

Features and Advantages

1. After emulsification, it forms a transparent blue-glowing silicone microemulsion with good fabric penetration and strong affinity.
2. It has excellent water solubility, stability and compatibility, and can be used in combination with cationic and nonionic auxiliaries.
3. It can endow fabrics with a long-lasting, wash-resistant soft and resilient feel. When used in combination with fluffing finishing agents, various different style effects can be achieved.

Application

It is suitable for various chemical fiber and blended fabrics, enhancing the soft, smooth, and elastic hand feel. It can also be used for the finishing of pile fabrics such as coral fleece.

1. Emulsification method: (The water used for emulsification should be tap water, avoid using river water)
Cold water emulsification method: Emulsify at a ratio of 2.1 parts crude oil to 1 part emulsifier. Add acetic acid at 2% of the crude oil. First, add crude oil and emulsifier and stir evenly, then add half of the acetic acid and an appropriate amount of water and stir to emulsify. In the third step, add the remaining half of the acetic acid and an appropriate amount of water and stir to emulsify. Then, add water in multiple steps according to the customer's emulsification ratio. Finally, obtain a transparent blue light silicone microemulsion, stop stirring, and filter for discharge.
If there is heating equipment and conditions available, warm water emulsification can be carried out, which is easier, faster, and more uniform in transformation and emulsification compared to cold water emulsification.

2. This product is used for fabric finishing and can be processed according to conventional methods. For padding process, at room temperature, it can be one dip and one nip or two dips and two nips. After emulsification at a ratio of 1:5, the dosage is 10-40g/L, and it is set at 130-200 degrees. For thick fabrics, adjust the dosage as needed.

3. For impregnation process, the conventional dosage of the diluted solution at a ratio of 1:5 is 1-3% (o.w.f). Impregnate at room temperature for 20 minutes, dehydrate, dry or set at 130-200 degrees.

Package

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