

Technical - Information

AVCO-NANOFINISH HT

HYDROPHILIC SILICONE SOFTENER WITH SPECIAL SOFT HANDFEEL

AVCO-NANOFINISH HT is an hydrophilic softener, which is used to apply the desired soft handle to the treated fabrics. Towels and fabrics finished with AVCO-NANOFINISH HT will have the excellent touch and good absorbency.

AVCO-NANOFINISH HT is the special softener for all textile materials that need high re-wetting properties such as towels and underwears.

SPECIFICATION:

Appearance	Slightly opaque liquid.
Chemical nature	Silicone emulsion.
Ionicity	Nonionic.
Solubility	Soluble in water at any concentration.
pH	5 ± 1
Compatibility	Can be used with nonionic and cationic products.
Storage	Store in a cool place at temperature below 40°C. Solidifies at 0°C. Fully useable after thawing and stirring. When properly stored, shelf life is at least 12 months.

PROPERTIES & USES:

1. Imparts a highly soft, smooth handle to all types of textiles.
2. Modified by special hydrophilic group, the product imparts excellent hydrophilicity and wicking properties to the treated fabric.
3. AVCO-NANOFINISH HT improves the dimensional stability of knits.
4. AVCO-NANOFINISH HT improves sew-ability of treated fabrics.
5. AVCO-NANOFINISH HT improves "wash and wear" properties.
6. Suitable for finishing viscose, cotton and polyester/cotton blends.
7. AVCO-NANOFINISH HT can be used for finishing towels, socks and underwear fabrics that need high re-wetting properties.
8. Non yellowing, even when used at curing conditions.
9. Imparts anti-static properties to synthetic fibres.

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APPLICATION:

AVCO-NANOFINISH HT can be applied by both of exhaust or padding method.

For improved tailoring and sewability 1 – 2% is sufficient. If additional softening and moothing effect is required, amount of 1.5 – 3.0% is recommended.

TYPICAL RECIPES:

1. Exhaustion method:

1 – 3% of AVCO-NANOFINISH HT is applied in the finishing bath.

Temperature	:	40°C
Time	:	20 – 30 mins
pH	:	4.5 – 5.5 (adjusted by acetic acid)

2. Padding method:

Depending on the material and the effect required, apply 10 – 30 g/l of AVCO-NANOFINISH HT.

3. Cost-effective finishing recipe for towels:

AVCO-NANOFINISH HT	:	0.4%
AVCO-SOFT CSNY	:	0.15%
Nhiệt độ	:	40°C
Thời gian	:	20 – 30 mins
pH	:	4.5 – 5.5 (adjusted by acetic acid)