

AVCO-SILSOFT PNI

HYDROPHILIC NON-IONIC SILICONE SOFTENER

AVCO-SILSOFT PNI is an "ultra hydrophilic" softener that is used to apply the typical "silicone" handle while improving the absorbency and the moisture transfer of the treated fabrics.

AVCO-SILSOFT PNI can be used for finishing sportswear, socks, towels and underwear articles that need high quality of re-wetting and wicking properties. The product is non-toxic and has no irritating effect on human skin when used on textiles intended to a direct contact with the skin.

SPECIFICATIONS:

Appearance	Colourless, clear liquid.
Chemical nature	Aqueous compound of polysiloxane copolymer and nonionic surfactants.
Ionic type	Non-ionic.
Solubility	Soluble in water at any concentration.
pH (10% sol.)	4 - 5
Compatibility	Can be used with all types of chemicals, normally found in textile finishing processes.
Storage	Store in a cool place at temperature below 40°C Solidifies at 0°C. Fully usable after thawing and stirring. When properly stored, shelf life is at least 12 months.

PROPERTIES & USES:

1. Imparts a dry soft, smooth and bulky handle to all types of textiles.
2. Excellent hydrophilicity and wicking properties of the treated fabrics.
3. Improves soil release properties.
4. Suitable for application on synthetic as well as on natural fibres.
5. Improves sew-ability in high-speed industrial sewing machines.
6. Reduces the surface tension of aqueous finishing liquors and therefore improves wetting out and penetration.
7. Good napping and brushing auxiliary. It can be used together with all types of organic softeners.
8. Absolutely non-yellowing finish.

Technical - Information

9. Can be used in spraying machines.
10. Good softener and plasticizer for binders used in pigment printing.
11. Fabrics finished with AVCO-SILSOFT PNI, can be further printed on with pigments with no influence on the rubbing fastness results.

APPLICATION:

1. Apply by padding, spraying or foam-finishing equipment.

For improving sew-ability apply	:	5 - 15 g/l
For softening effect apply	:	20 - 40 g/l
For soil release finish apply	:	20 - 50 g/l
For hydrophilic finish apply	:	20 - 40 g/l

2. Application by exhaust process

It can be done in short liquor machines at temperatures above the cloud point (45 - 50°C).

3. Softener for pigment printing pastes

To the standard pigment printing paste add 0.5 – 1.5% AVCO-SILSOFT PNI.