

FINISHING

PERSOFTAL[®] NANO-SIL

Enhanced properties
through Nano-technology

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TANATEX[®]
CHEMICALS 

PERSOFTAL® NANO-SIL

NANO is from the greek word Nanos = dwarf.

With NANO technology we point at chemistry or structures which are smaller than 100 nanometer (a billionth of a meter).

Definition

Nano-technology is a generic term for a wide range of technologies, which are working in structures und processes in a range of Nanometer.

TANATEX is offering products based on NANO-technology. Not because Nano is a fashion word, but because the technology behind these products really give you additional benefits, due to their unique structure.

PERSOFTAL® NANO-SIL is our newest softener, based on a nano-emulsion aminomodified silicone.

A nano-emulsion, like

PERSOFTAL® NANO-SIL, will penetrate deeper into the fabric and yields an optimal, fine distribution into the very core of the fabric, which will give unique properties and application possibilities:

- of course a splendid flexible fabric, with "no internal" friction
- high compatibility with most finishing products
- perfect combination with anti-slip/anti-snap finish products based on silica, to give a good handle without negatively influencing the anti-slip/anti-snap properties
- high shear stability
- excellent raising properties, especially for synthetics, like PES-fleece
- superb handle after calendering
- hydrophilic
- certain anti-static action



Drape and flexibility



Seam slippage:
Anti-slip +
PERSOFTAL® NANO-SIL



Seam slippage:
Anti-slip +
micro-silicone

TANATEX products currently available based on Nano-technology are:

- **BAYPRET® NANO-PU**
- **BAYPROTECT® NANO-POLLEN**
- **PERSOFTAL® NANO-SIL**



Einsteinstraat 11, P.O. Box 46
6710 BA Ede, Netherlands

Telephone: +31 318 67 09 11, Fax: +31 318 63 02 36

E-mail: info@tanatexchemicals.com

Internet: www.tanatexchemicals.com