

Softening and smoothing agent

Properties and fields of application

- For all types of fibre
- For pad application only
- Finishes have high heat resistance
- Extremely smooth handle
- Improves sewability and enhances the elasticity of knitgoods
- Finishes are resistant to washing and dry cleaning
- Improves the mechanical fastness of resin finishes
- Low-foaming

General properties

Chemical basis	Aqueous preparation of a polyethylene derivative
Ionicity	Nonionic
Form supplied	Yellowish liquid
Density (23 °C)	1,0 g/cm ³
Viscosity (23 °C)	approx. 50 mPa.s
pH-value	7,0 - 9,0
Dilution	Readily miscible with cold water
Stability	Stable to hard water salts, alkalis, acids, sodium chloride (up to 100 g/l) and sodium sulphate (up to 40 g/l)
Stability of the finish	Resistant to washing and dry cleaning

Technical notes on application

General

PERSOFTAL® PEN is a softening and smoothing agent for woven and knitted fabrics made of all types of fibre.

PERSOFTAL® PEN can be combined with other softening agents and used as an additive for pad application of resin finishes.

PERSOFTAL® PEN does not impair whiteness in one-bath finishing and fluorescent whitening or subsequent treatment of whitened cellulosic fibres. It does not cause yellowing during storage or encourage thermomigration in dyed polyester fabrics.

If PERSOFTAL® PEN is added to resin finishes, it improves the handle, sewability and mechanical properties of the fabric.

Because of its high heat resistance, PERSOFTAL® PEN significantly reduces exhaust air loads and staining of drying units.

PERSOFTAL® PEN can be blended with other softeners to improve sewability.

Quantities required

Padding process

5 - 40 g/l PERSOFTAL® PEN

pH 6 - 7 (acetic acid)

Storage stability

24 months from delivery ex plant TANATEX Chemicals in closed containers.
Avoid exposure to temperatures below 0°C.

Note on safety

Information on handling, storage and ecological and toxicological behaviour is contained in the safety data sheet for PERSOFTAL® PEN.

Specifications

For further details, please refer to the product specification for PERSOFTAL® PEN.

General note on product designations

Under statutory regulation on occupational safety, environmental protection and transportation, all changes to the composition of products must be indicated.

Changes are indicated by adding numbers to the product designation, e.g. 01, 02, etc. They do not alter the technical properties of the product.

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