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## ARRISTAN HPC T

**Character** Hydrophilizing agent for finishing textiles made of synthetic fibres such as polyester and polyamide

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**Chemical Structure** Polyester copolymerisate

**Appearance** Light beige liquid

**Ionic Character** Non-ionic

**pH-value of a 10 % solution** 5.0 - 6.0

**Specific Weight at 20 °C** ~ 1.0

**Stabilities** ARRISTAN HPC T is stable to hard water, acids, alkalis and electrolytes in the usual concentrations.

ARRISTAN HPC T can normally be well combined with softeners (preferably hydrophilic products), easy-care resins, catalysts and dispersion brighteners. However we recommend carrying out preliminary tests concerning the liquor stability.

The product is very sensitive to frost; irreversible changes occur at temperatures around the freezing point.

ARRISTAN HPC T is sensitive to temperatures > 40 °C

**Storability** ARRISTAN HPC T will hold for at least 6 months in closed original containers.

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## Properties

ARRISTAN HPC T is a hydrophilizing agent for finishing textiles made of polyester and polyamide. Fabrics with ARRISTAN HPC T stand out for the following treated properties:

- very good hydrophilic effect
- soft and subtle handle
- improved release of fatty soiling in household washing (soil release effect)
- less electrostatic charge
- good stability of the effects in delicate washing cycles

## Application Technique

### Diluting instruction

ARRISTAN HPC T can be diluted with cold water in every ratio by stirring.

### Fields of application

ARRISTAN HPC T is applied for the hydrophilic finishing of textiles made of synthetic fibres such as polyester and polyamide. The special hydrophilic properties of the treated material are very advantageous in terms of the fatty soil release behaviour (soil release effect) and to the antistatic effect. In the field of functional textiles, ARRISTAN HPC T helps to transport moisture away from the body ("moisture management").

#### Remark :

To ensure an optimal efficiency of ARRISTAN HPC T , the fabric to be finished has to be free of residual substances having a hydrophobic effect. A combination with hydrophobic softeners should be avoided. The rubbing fastnesses through thermo-migration can be impaired on certain dyestuffs with little sublimation fastness and deep shades. In such a case the exhaust procedure should be preferred.

### Recipe proposals

ARRISTAN HPC T can be applied in the exhaust procedure as well as the padding procedure. It can also be added directly to the dyeing bath, but we suggest carrying out pretrials first.

#### Padding procedure

20 – 50 g/l ARRISTAN HPC T

Liquor pick-up: approx. 40 – 60%

Drying: 120 – 130 °C

#### Exhaust procedure

2 – 5 % ARRISTAN HPC T

Liquor ratio: approx. 1:10

pH value: 5.0 – 6.0 with acetic acid

Treatment time: 20 – 30 min

Temperature: 60 – 70 °C

Drying: usual industrial conditions (120 – 130 °)

**We reserve the right to modify the product and technical leaflet.**

**Our department for applied technique is always at your service for further information and advice.**

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

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