

ARRISTAN rAIR

Character	Hydrophilic agent made of recycled PET Flakes for finishing textiles made of synthetics and their blends with native fibres
Chemical Structure	Polyester copolymer
Appearance	Liquid, opalescent, white
Ionic Character	Non-ionic
pH Value of a 10 % Solution	5.0 – 7.0
Specific Weight at 20 °C	Approx. 1 g/cm ³
Stabilities	<p>ARRISTAN rAIR is stable to hard water, acids, alkalis and electrolytes in the usual concentrations.</p> <p>In general, ARRISTAN rAIR can be easily combined with softeners (preferably hydrophilic products), easy-care resins, catalysts and dispersion brighteners. However, we basically recommend pre-trials to check the liquor stability.</p> <p>The product is very sensitive to frost; after the impact of temperatures around the freezing point irreversible changes will occur.</p> <p>ARRISTAN rAIR is sensitive to temperatures above 40 °C.</p>
Storability	The product will hold for at least 12 months if stored properly in closed original containers.

The above given values are product describing data. Please consult the 'delivery specification' for binding product specifications. Further data about product properties, toxicological, ecological data as well as data relevant to safety can be found in the safety data sheet.

Properties

ARRISTAN rAIR is an innovative hydrophilic agent and soil release enhancer, made out of recycled PET flakes. Textiles finished with ARRISTAN rAIR, especially PES and PA, stand out for the following properties:

- very good hydrophilic character, excellent wicking properties
- smooth, flowing handle
- improved detaching of greasy soilings in household laundry (soil release effect)

- reduced electrostatic charge
- very good wash fastness of the effects
- Suitable for designing garments according the concept of monomateriality based on PES

Application Technique

Diluting Instructions

While being stirred ARRISTAN rAIR can be diluted with cold water to any ratio.

Application Fields

ARRISTAN rAIR is applied for the hydrophilic finishing of textiles made of synthetic fibres such as polyester and polyamide. The distinct hydrophilic properties of the treated material lead to clear advantages regarding the absorbency of the fabric, the grease detaching behaviour (soil release effect) and the antistatics. Moreover, the evaporation speed of humidity is being increased. Thus, textiles finished with ARRISTAN rAIR dry more quickly. In case of functional wear ARRISTAN rAIR optimizes the moisture transport from the body ("moisture management").

Note

For ensuring an optimum performance of ARRISTAN rAIR the fabric to be finished must be free from residual hydrophobic substances. We generally recommend not combining this product with finishing agents with a hydrophobic effect. With certain dyestuffs with a low fastness to sublimation and with deep shades the rubbing fastnesses may be influenced through thermomigration. In this case pre-trials may have to be carried out.

Recipe Proposals

ARRISTAN rAIR can be applied in the exhaust and padding procedure. It can also be used directly in the dyebath. Due to the big variety of dyestuffs and auxiliaries we recommend carrying out the corresponding pre-trials to ensure the compatibility, required fastnesses and the desired finishing effect.

Padding procedure

20 - 60 g/l ARRISTAN rAIR

Liquor pick-up:	approx. 40 - 60 %
Drying:	120 - 130 °C

Exhaust procedure

1 - 4 % ARRISTAN rAIR

Liquor ratio:	approx. 1 : 10
pH value:	5.0 – 6.0, with acetic acid
Treatment time:	20 - 30 min
Temperature:	60 - 70 °C
Drying:	under the usual conditions (120 - 130 °C)

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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