

ARRISTAN Y 21

Characterization

Silicone softener for finishing of textile fabric

Chemical Structure

Aminofunctional polysiloxane

Appearance

Opal - White liquid

pH Value of a 10 % solution

5.5 – 6.5

Ionic character

Non-ionic / weakly cationic

Specific weight at 20 °C

Approx. 1.0

Stabilities

ARRISTAN Y 21 is stable to hardening agents of water as well as acids and magnesium chloride.

ARRISTAN Y 21 is sensitive to slightly alkaline water and all forms of alkali.

ARRISTAN Y 21 is sensitive to temperatures above 40 °C.

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

Storage

The product will hold for at least 6 months if stored properly in original containers.

Properties

ARRISTAN Y 21 is a proper softener for final finishing of textiles. The following properties stand out for this product:

- ♦ very soft, typical silicone handle with high surface smoothness,
- ♦ low tendency to turn yellow,
- ♦ good washing and dry cleaning stabilities,
- ♦ supports the elastic force of knitted and woven fabrics,
- ♦ improves the "wash-and-wear" effect in resin finishing,
- ♦ improves the sewability,
- ♦ reduces crushing on velvet fabrics
- ♦ color darkening properties in all fabrics, especially in dark colored fabrics such as black,
- ♦ suitable with the padding machine.

Application technique

Diluting instructions

ARRISTAN Y 21 can be diluted in any ratio with cold water; if it will be used with alkaline water, should be adjusted with acetic acid to pH 5.0 – 5.5.

Fields of application

ARRISTAN Y 21 is mainly applied for the padding procedure.

ARRISTAN Y 21 is applied

- as soft handle agent in combination with cellulose cross-linking agents for a crease-resistant finish of all native and regenerated cellulose fibres as well as their mixtures with synthetics,
- as softener to improve the elastic force,
- as a color- darkening finish.

Recipe Proposals

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10.0 – 30.0 g/l ARRISTAN Y 21

pH value 5.0 – 5.5 (with acetic acid)

Liquor pick-up: 70 - 80 %

Resin finishing of CO shirt fabrics

Padding application

40 – 50 g/l	REKNITT TW
10 – 20 g/l	POLYVIN PEN A
20 – 30 g/l	ARRISTAN Y 21
10 – 20 g/l	TUBINGAL MRY

pH value	4.5 (acidic)
Liquor pick-up:	60 – 80 %
Drying/fixation	1 min at 170 °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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