
ARRISTAN 555

Characterization

Silicone softener for final finishing of textile fabric

Chemical Structure

Amino-functional polysiloxane

Supplied Form

Opal 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 555 is stable to hardening agents of water as well as acids and magnesium chloride.

ARRISTAN 555 is sensitive to slightly alkaline water and all forms of alkali.

ARRISTAN 555 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 12 months if stored properly.

Properties

ARRISTAN 555 is a high-grade 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,
- ◆ supports the elastic force of mesh fabric,
- ◆ improves the sewability,
- ◆ improves the "wash-and-wear" effect in resin finishing,
- ◆ good washing and dry cleaning stabilities,
- ◆ reduction of the pressure sensitivity of nonwovens

Application Procedure

Diluting instructions

ARRISTAN 555 can be diluted at any ratio with cold water; alkaline water should be acidified with acetic acid to pH 5.0 - 5.5.

Fields of application

ARRISTAN 555 is mainly applied for the padding procedure.

ARRISTAN 555 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,
- for soft handle finish of 100 % wool and PES/wool mixtures,
- as softener to improve the elastic force.

Recipe Proposals

Padding application

10.0 - 30.0 g/l ARRISTAN 555

pH 5.0 - 5.5, preferably adjusted with acetic acid

Liquor take-up: approx. 70 - 80 %

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.

Edition: April, 2024.

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