
® **AVISTAT AZ**

Character	Antistatic agent
Chemical Character	Fatty acid condensation product
Appearance	Yellowish-brown, liquid emulsion
Ionic Character	Cationic
pH Value of a 10 % Solution	Slightly acid
Specific Weight at 20 °C	1.0
Stabilities	<p>AVISTAT AZ has a good stability to the usually applied amounts of chemicals and to water hardeners.</p> <p>The product is sensitive to frost to a limited extent; changes occurring at low temperatures are reversible on warming and after good stirring.</p>

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

AVISTAT AZ is an efficient antistatic agent with slight softening properties. The resulting handle is full and voluminous.

AVISTAT AZ gives excellent antistatic effects on synthetic fibres.

AVISTAT AZ is fast to sublimation and not steam volatile. It does not deposit in the drying aggregates and therefore soiling is not to be expected.

Application Technique

Diluting Instructions

AVISTAT AZ can be mixed with cold water at any ratio.

® =registered trade mark

Application Fields

AVISTAT AZ is suitable for all synthetic fibres.

AVISTAT AZ picks up substantively to the synthetic fibres. Therefore, industrial water ought to be adjusted with acetic acid if necessary when the product is applied by means of the exhaust process. At pH 6.0 to 7.0 AVISTAT AZ has its highest substantivity.

When working continuously on the padding mangle, there is no need for a pH correction as substantivity is not desired in such processes.

If heat-setting is to be carried out after the antistatic finish, the finishing effect may be slightly impaired as the product diffuses into the fibre, so that the surface efficiency decreases.

Recipe Proposals

1. Exhaust process

1.0 - 2.0 % AVISTAT AZ o. w. f.

treat for 20 - 30 min at about 40- 50 °C
adjust pH 6.0 – 7.0 with acetic acid

2. Padding process

5.0 - 10.0 g/l AVISTAT AZ

The temperature of the padding liquor can be chosen from cold up to 50 °C.

Drying is carried out under the usual conditions.

Recommendation for Use

Corduroy or plush

Due to the antistatic finish the fibre fly is prevented from adhering to the cloth when shearing, which is favourable for an even appearance of the goods. The following amounts may serve as a guideline:

1.0 - 2.0 % AVISTAT AZ o. w. f.

Preparation of high bulk yarns

Despite the fact that so far a smooth, full handle has been desired besides good antistatic properties, we can now observe the tendency that merely a very efficient antistatic agent is often demanded. In such cases we recommend applying AVISTAT AZ. Usually

1.0 - 2.0 % AVISTAT AZ o. w. f.
0.5 - 1.0 ml/l acetic acid 30 %

are sufficient. Treat for approx. 20 min at 30 - 50 °C.

Knitted goods

Texturized polyamide articles are finished antistatically in the exhaust and padding process.

Exhaust process:

1.0 - 2.0 % AVISTAT AZ o. w. f.

neutral or slightly acid, 20 min at 30 °C

Padding process:

10.0 - 30.0 g/l AVISTAT AZ when processing dry-on-wet

temperature cold to lukewarm, neutral

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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