

Isolan AST

Technical Data Sheet

Isolan AST

Material Definition

Chemical identity: Acrylic emulsion for pigment printing, coating and padding.

Ionicity: Slightly anionic

Solid content: 59.0 - 61.0 %

Brookfield Viscosity (25°C): Max 500 mPa.s

pH value: 7.0 - 9.0

T(g): -15°C

Overview

- Intended for white pastes in tandem with significant quantities of Titanium dioxide and additional charges, ensuring superior dry or wet rubbing fastness on both pure cotton and blended materials.
- Exhibits commendable washing durability, even at 60°C.
- Completely devoid of any formaldehyde content and does not emit any.
- Delivers vibrant color output and performs efficiently on machines.
- Harmonizes well with both anionic and non-anionic finishing compounds.

Application

The amount of Isolan AST required with white pastes varies based on the charge quantity, fabric type, and fastness specifications. For charge amounts ranging from 20-40%, typically 30-50% of Isolan AST is used. To maximize the effectiveness of the synthetic thickeners, it's essential to adjust the pH to a range of 8-9.

To Isolan AST, add 1% polyacrylate dispersing agent and 0.5% non-ionic emulsifier. Following that, introduce the charges, stirring continuously to ensure their thorough integration. Then, incorporate the appropriate amount of thickener to obtain the desired viscosity.

To enhance the potency of Isolan AST, it's advisable to introduce [Isobond DMP-40 \(/products/textile/isobond-dmp\)](#), a formaldehyde-free crosslinker. This agent facilitates a fixing process when used at a proportion of 1.5 to 5% of the overall bath or paste. Drying and curing temperatures span from 100°C to 170°C. The exact duration within the drying chamber determines the specific temperature, ensuring the finished garments exhibit optimal rubbing and washing fastness.

Storage

The optimum storage and handling temperature range is 5 °C to 30 °C. The product must be protected from heat and frost in order to maintain viability. Containers must not be restocked after they have been opened. Properly stored, Isolan AST is stable for at least 12 months after the shipment has left our warehouse.

Packaging

Isolan AST is available in IBCs (1000kg each) and drums (210kg each). MoQ are 2 pallets with 8 drums each or 1 IBC.

Regulatory Information

EU REACH registered: Not applicable

Availability

- Americas (United States, Canada, South America)
- APAC (Asia-Pacific)
- ANZ (Australia, New Zealand)
- EU (European Union)
- PRC (People's Republic of China)
- UK (United Kingdom)

Disclaimer / Conditions

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Stated storage and shelf life times are minimum guaranteed values for a period starting on the day of shipment. After this period has expired, the product requires additional quality control testing but may very well still be within specification. For more information, refer to our [Shelf Life Policy \(/info/shelflife\)](#).

For updates on product information, please check this web page regularly:

<https://kautschuk.com/products/textile/isolan-ast>

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