
TUBOSET DAP

Character	Low foaming, detergent antioxidant for thermofixation of polyamide and its blends
Chemical Structure	Modified fatty alcohol ethoxylates
Appearance	Clear liquid
Ionic Character	Non-ionic
pH-Value of a 10 % Solution	5.5 – 6.5
Density	1.0 – 1.1
Stabilities	<p>TUBOSET DAP is well stable to water hardeners as well as to alkalis and acids in the usual industrial concentrations.</p> <p>The product is sensitive to frost to a certain extent. Changes occurring at low temperatures will disappear after warming up and stirring thoroughly.</p>
Storage	It can be stored in a cool place, in its original packaging, for 12 months.

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

TUBOSET DAP is a special thermo protection which minimizes resp. prevents the yellowing of polyamide fibres during the heat treatment. The application of TUBOSET DAP highly reduces the tendency of polyamide fibres of turning yellow during thermofixation. Moreover, TUBOSET DAP has a good detergent power and removes products containing silicone such as on materials with elastane when these are washed after fixation.

Application Technique

Diluting Instructions

TUBOSET DAP is well soluble in water. If for operational reasons an impregnation liquor with TUBOSET DAP is to be prepared above 50 °C, the combination of SUBITOL ASN or LAVOTAN SE with the fibre protection agent TUBOSET SML is to be used.

Application Fields

TUBOSET DAP minimizes resp. prevents the yellowing tendency of polyamide fibres and their blends (e.g. with elastane) during thermofixation. The efficiency of TUBOSET DAP depends on the type of polyamide.

TUBOSET DAP can be easily combined with mostly all optical brighteners, soft handle agents and finishing agents. The bath stability has to be checked in pretrials before combining TUBOSET DAP with other products.

The product is not substantive and is thus primarily recommended for padding processes.

TUBOSET DAP ought not to be applied at temperatures above 50 °C. We do not recommend heating up the bath.

TUBOSET DAP is low foaming, which facilitates an easy application even with high turbulences.

Recipe Proposals

Padding – Thermofixation

Application on greige fabric

Step 1: Padding with

 10 - 30 g/l TUBOSET DAP

 Liquor pick-up: 0.4 – 0.6 l/kg

 Drying/thermofixation with conditions normally applied for polyamide and its blends

Step 2: a) Reductive aftercleaning

 0.5 - 2.0 g/l HEPTOL NWS

 0.5 - 2.0 g/l hydrosulphite

 Start at 50 °C, heat up to 80 – 90 °C with 2 – 3 °C/min and treat for 30 min.

 Rinse thoroughly. If need be, brighteners can be added to the reductive bath.

 b) Washing without reductive aftercleaning

 Thoroughly rinse hot and then rinse warm and cold twice.

Application on prewashed fabric

Step 1: a) Prewashing

 0.5 - 2.0 g/l FELOSAN FOX

 0.5 - 1.0 g/l HEPTOL NWS

 1.0 - 2.0 g/l soda ash

 20 – 30 min at 60 – 95 °C

 Rinse warm and cold

b) Reductive aftercleaning

0.5 - 2.0 g/l FELOSAN FOX

0.5 - 2.0 g/l HEPTOL NWS

1.0 - 4.0 g/l hydrosulphite

Start at 50 °C, heat up to 80 – 90 °C with 2 – 3 °C/min and treat for 30 min.

Rinse thoroughly. If need be, brighteners can be added to the reductive bath.

Step 2:

Padding with

10 - 30 g/l TUBOSET DAP

Liquor pick-up: 0.4 – 0.6 l/kg

Drying/thermofixation with conditions normally applied for polyamide and its blend

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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