POLYAVIN bPEN

Character	Universal processing aid for all kind of textiles
Chemical Character	Polyethelene dispersion, based on renewable raw materials
Appearance	Whitish-beige liquid
Ionic Character	Non-ionic
pH Value of a 10 % Solution	5.0 - 7,5
Specific Weight at 20 °C	Approx. 1.0
Stabilities	POLYAVIN bPEN is stable to hard water, acids, alkalis and electrolytes in the usual concentrations. POLYAVIN bPEN has a good stability to the products used in finishing or resin finshing. Protect from frost. Protect from temperatures above + 40 °C.
Storability	POLYAVIN bPEN will hold for at least 12 months if it is stored properly in closed original containers.

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

POLYAVIN bPEN provides knitted and woven fabric soft and smooth touch effect as well as very good performance as sewing additive for all kinds of fibres

POLYAVIN bPEN gives following property profiles:

- pleasant and bulky touch
- good rewettability of treated articles
- support compacting and sanforising process steps
- improves tear strength by easy care processes
- excellent suitable for raising and emerising articles
- perfect for white and colours, compatible with selected optical brighteners
- good durability to washing and dry clean

- based on biobased renewable ressources, no fossil ressources used
- 91% biobased carbon content acc. ASTM D6866-2 Method B (as a fraction of total organic carbon)
- suitable for pad application

POLYAVIN bPEN is excellently used as raising lubricant for PES fabric. It gives a beautiful and voluminous pile without influencing the fastnesses.
Compared to raising lubricants containing silicone it has the advantage that it does not act as a separating agent in subsequent laminating processes.

Application Technique

Diluting Instruction

POLYAVIN bPEN can be diluted with cold water.

Recommendation for Use

The application amounts depend on the material and the desired effect.

Pad application

10 - 40 g/l POLYAVIN bPEN

Liquor pick-up	70 - 80 %
pH value	5.0 – 6.0

Drying under usual production conditions

Easy care finish – CO wovens

60	-	120	g/l	REAKNITT ZF
8	-	10	g/l	REAKNITT CAT ABT
10	-	30	g/l	POLYAVIN bPEN
10	-	40	g/l	TUBINGAL®R 20 or TUBINGAL®RISE
1	-	2	g/l	KOLLASOL HV

Liquor pick-up:	70 - 80 %
Drying:	110 – 130 °C
Condensation:	3 min at 150 °C

Easy care finish – CO knit

60	-	120	g/l	REAKNITT ZF
8	-	10	g/l	REAKNITT CAT ABT
10	-	30	g/l	POLYAVIN bPEN
20	-	40	g/l	TUBINGAL®R 20 or TUBINGAL®RISE
1	-	2	g/l	KOLLASOL HV

Liquor pick-up:	70 - 80 %
Drying:	110 - 130 °C
Condensation:	30 - 40 seconds 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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