

TUBINGAL HSK

Character	Softener for textiles made of synthetic fibres and their blends
Chemical Structure	Modified silicone emulsion
Appearance	White liquid
Ionic Character	Non-ionic
pH-Value	4.5 – 6.5
Specific Weight at 20 °C	Approx. 1.0
Stabilities	<p>TUBINGAL HSK is stable to hard water, acids, alkalis and electrolytes in the usual concentrations.</p> <p>The product is sensitive to frost; after the impact of temperatures around the freezing point irreversible changes will occur.</p> <p>TUBINGAL HSK is sensitive to temperatures above 40 °C.</p>
Storability	If stored properly in closed original containers, TUBINGAL 3S will hold for at least 12 months.

Properties

TUBINGAL HSK stands out for the following properties:

- Excellent soft, smooth handle on synthetic fibres (particularly on polyester and polyamide)
- Improves the elasticity.
- Excellently suited for white articles.
- Resistant to yellowing.
- Can be combined with selected optical brighteners
- Suited for the use in easy care finishing liquors
- Improves the sewability
- Stable to shearing and foaming, applicable on jet dyeing machines
- Applicable in exhaust and padding processes

Application Technique

Diluting Instructions

TUBINGAL HSK can be diluted with cold water.

Application Fields

TUBINGAL HSK is excellently suited for the soft handle finishing of wovens and knits, particularly those made of synthetic fibres such as polyester and polyamide as well as their blends. The product has very low effect on fastnesses.

The product can be applied in padding and exhaust processes and it can be easily used on jet dyeing machines.

Recipe Proposals

The application amounts depend on the desired effect. The following quantities serve as standard values:

Exhaust process

%2.0 – 6.0	TUBINGAL HSK
pH value:	5.0 – 6.0
Liquor ratio:	1:5 – 1:20
Temperature:	40 – 50°C
Time:	20 min.
Drying:	under the industrial conditions

Padding process

20.0 – 80.0 g/l	TUBINGAL HSK
pH value:	5.0 – 6.0
Liquor pick-up:	approx. % 70
Drying:	under the industrial conditions

Easy care finishing – CO/PES wovens

30.0 – 40.0 g/l	REAKNITT FF
15.0 g/l	CHT-KATALYSATOR FS
10.0 – 20.0 g/l	POLYAVIN PEN
40.0 – 80.0 g/l	TUBINGAL HSK
1.0 – 2.0 g/l	KOLLASOL CDO
Liquor pick-up:	approx % 60 - 70
Drying:	under the industrial conditions
Curing:	3 min at 150 °C
	Or
	30 - 40 sec 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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