

TUBINGAL SMG

Characterization	Microemulsion for the finishing of all kinds of fibres applied with padding
Chemical Structure	Aminofunctional polysiloxane based microemulsion
Appearance	Transparent, opal liquid
Ionic Character	Non-ionic
pH-Value of a 10 % solution	4.5 - 6.5
Specific Weight at 20 °C	Approx. 1.0
Stabilities	<p>TUBINGAL SMG is stable to hard water and acids in normal industrial concentrations.</p> <p>TUBINGAL SMG is sensitive to alkalis. Alkaline residues in the fabrics as well as pH-deviations of the water can impair the liquor stability. It is recommended to use the prepared liquor without waiting.</p> <p>The product is not sensitive to frost.</p> <p>TUBINGAL SMG is sensitive to temperatures above 40°C.</p>
Storage	The shelf life of the product is 6 months if stored properly.

Properties

TUBINGAL SMG is usually applied by padding mangle method. The property profile of TUBINGAL SMG is as follows:

- natural soft feeling along with good internal softness on all kinds of textiles,
- optimum penetration of the active substances, therefore especially suited for the finishing of OES-.yarn articles,
- non yellowing
- can be applied together with low-affinitive optical brighteners,
- additive in the wrinkle free processing,
- improvement of the „wash-and- wear“ effects,
- improved sewability.

Application technique

Diluting instructions

TUBINGAL SMG can be mixed with cold water in any ratio without problems. Soft, weakly acid water should be preferably used for dilution.

Fields of application

TUBINGAL SMG imparts a smooth, natural soft handle on all kinds of garment articles. The product is preferable applied by padding method. In case of exhaust processes, pretrials are recommended.

Recipe Proposals

The application quantities depend on the material used and the desired effect. The following recipes may serve as a general guideline:

Padding method

10.0 – 40.0 g/l TUBINGAL SMG

pH around 5.0 to 5.5

Pick up approx. 60-80%

Drying 110 - 130°C

Easy care finishing

40.0 – 60.0 g/l REAKNITT PR
10.0 – 15.0 g/l Magnesium Chloride (catalysis)
10.0 – 20.0 g/l POLYAVIN PEN (Nonionic HD polyethylene emulsion)
25.0 – 40.0 g/l TUBINGAL SMG
0.5 – 1.0 g/l Acetic acid 60 %

Pick up : 80 %
Drying : 120 – 130 °C
Fixing : 150°C , 4 min.
(Drying/Fixing 170°C, 60 sec.)

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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CHT GERMANY GMBH, P.O. Box 12 80, 72002 Tübingen, Bismarckstraße 102, 72072 Tübingen, Germany

Telephone: 07071/154-0, Fax: 07071/154-290, Email: info@cht.com, homepage: www.cht.com

CHT TURKEY KİMYA SAN. VE TİC.A.Ş., Akçaburgaz Mah. 3118. Sok. No:2 Esenyurt/İstanbul, Tel: :+90 212 886 79 13, Fax:+90 212 886 93 47,

Email: info.turkey@cht.com