

ADVALON® EL 41



Silicone Fluid Emulsions, functional

ADVALON® EL 41 is a nonionic macro emulsion of a reactive polysiloxane.

It is a self-crosslinking one component finish which imparts very elastic, shape-stabilizing properties and a high resilience, especially to cotton knits.

Properties

ADVALON® EL 41 is a self-crosslinking one component finish which imparts a pleasant, soft, supple hand to woven and knitted fabrics of all kinds in combination with pronounced shape-stabilizing properties.

Most importantly, ADVALON® EL 41 conveys extraordinary elasticity, resilience and stretch characteristics to cotton knitwear.

ADVALON® EL 41, even as a macro emulsion, has a remarkable stability against alkaline pH and high shear forces. With an excellent exhaustion behaviour, it is especially suitable for jet application processes.

Specific features

- Resistance to alkalis

Technical data

General Characteristics

Property	Condition	Value	Method
pH value	-	approx. 5	Indicator strips
Ionogenicity	-	nonionic	-
Solids content	-	approx. 39 %	Microwave oven
Appearance	-	milky-white liquid	-

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Applications

- Dimensional Stability
- Textile Finishing

Application details

ADVALON® EL 41 is suitable for padding and especially for exhaust applications under common conditions. It can be used on its own or together with organic fabric softeners, polyethylene waxes and other finishing agents. The individual compatibility should be tested on a case-by-case basis.

To impart a silky soft, full and elastic hand to all kinds of woven and knitted goods, ADVALON® EL 41 should be applied by padding at bath concentrations around 30 g/l. Liquor pickup 70 – 80 %. The silicone finish will cure quickly when the fabric is heat dried. Stenter curing at 150 °C for 3 minutes is recommended.

For the exhaust method, 1-3 % relative to the weight of goods are adequate and the treatment should be carried out at 40-50°C for 15-20 minutes.

It is advised to clean the production equipment after use immediately with warm water and remove all emulsion residues.

Packaging and storage

Packaging

- 0,5 kg bottle
- 25 kg hobbock
- 145 kg drum
- 950 kg IBC

Storage

Minimum temperature allowed during storage and transportation: 0 °C

Do not allow this material to freeze.

The 'Best use before end' date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code ADVALON® EL 41



For technical, quality or product safety questions, please contact:

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