

WACKER® FINISH WR 301

Functional Silicone Fluids

WACKER® FINISH WR 301 is a reactive aminoethyl-aminopropyl- functional polydimethylsiloxane.

Properties

WACKER® FINISH WR 301 is particularly suitable as active substance in softener formulations for the impregnation of fibers and textiles.

WACKER® FINISH WR 301 imparts a very soft, drapable, and elastic touch to woven and knitted fabrics.

WACKER® FINISH WR 301 is considered to be a very good softening agent for cotton fabrics and knitware made of cotton or cotton/PES blends.

WACKER® FINISH WR 301 improves the wash-and-wear properties and the crease recovery angle, sewability and tear strength and reduces abrasion loss. The effects are fast to washing and dry cleaning.

WACKER® FINISH WR 301 has only little effect on the degree of whiteness in a softener formulation. As a rule no adverse effect on the shade or color fastness properties of coloured goods is observed.

As part of formulations used as fill fibre finish WACKER® FINISH WR 301 imparts excellent slickness and resilience to the fiber.

Technical data

General Characteristics

Property	Condition	Value	Method
Amine number	-	approx. 0.27 ml 1 N HCl/g	-
Viscosity, dynamic	25 °C	approx. 1000 mPa·s	DIN 53019
Appearance	-	clear to slightly turbid fluid	-

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

- Softeners & Hydrophilic Softeners
- Textile & Leather
- Textile Finishing

Application details

Processing:

WACKER® FINISH WR 301 can be applied neat, from solution, or emulsion. Suitable solvents are aliphatic and aromatic hydrocarbons, chlorinated hydrocarbons, esters, higher alcohols, and ketones.

Most textile processes are waterbased. Hence WACKER® FINISH WR 301 is mainly applied from emulsion.

WACKER® FINISH WR 301 is suitable for the formulation of microemulsions.

WACKER® FINISH WR 301 can be used as sole active substance in softener emulsions or in combination with other components, e.g. paraffines, esters of fatty acids, etc. Compatibility of the components has to be checked in each individual case.

Emulsions of WACKER® FINISH WR 301 are diluted to the optimum concentration for the specific fabric. Application can be done by padding or exhaustion.

Packaging and storage

Packaging

The product is available in 190 kg drum as well as 950 kg tote.

Storage

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 WACKER® FINISH WR 301



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

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