

WACKER AM-8

Functional Silicone Fluid

Characteristics

WACKER AM-8 is an aminoethyl-aminopropylfunctional polydimethylsiloxane.

Applications

WACKER AM-8 is particularly suitable as active substance in softener formulations for the impregnation of fibers and textiles. WACKER AM-8 imparts a very soft, drapable, and elastic handle to woven and knitted fabrics. WACKER AM-8 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 AM-8 has little effect on the degree of white in a softener formulation when usual application conditions are adhered to. As a rule no adverse effect on the shade or colour fastness properties of coloured goods is observed.

On woolen fabrics and knit ware WACKER AM-8 contributes to a reduction of shrinkage due to its high affinity to the substrate. As part of formulations used as fill fibre finish WACKER AM-8 imparts excellent slickness and resilience to the fibre.

Processing

WACKER AM-8 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 AM-8 is mainly applied from emulsion. WACKER AM-8 is suitable for the formulation of microemulsions and macroemulsions.

WACKER AM-8 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 AM-8 are diluted to the optimum concentration for the specific fabric. Application can be done by padding or exhaustion.

Product data

WACKER AM-8

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|---------------------|-----------------------------|---------------------------------------|
| Appearance | | clear to slightly turbid fluid |
| Viscosity | [mPa s] | ca.700-1000 |
| Amine Number | ml 1N HCl/g Substanz | 0,5 |

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

Storage stability

WACKER AM-8 has a shelf life of at least 6 months if stored in originally sealed containers at 25 °C. The "Best use before end" date of each batch is shown on the product label.

If the material is kept beyond the recommended shelf life, it is not necessarily unusable, but a quality control should be performed on the properties relevant to the application.

Safety instructions

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from Wacker subsidiaries.

"Silicone laboratory samples (SLM) are development products. Therefore, we cannot at present give any binding assurance of constant properties or of continuous supplies in future."

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.

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