

WACKER FLUID 350

Silicone Fluid

WACKER FLUID 350 is a linear, non-reactive polydimethylsiloxane with a viscosity of approx. 350 cps.

Properties

WACKER FLUID 350 whose structure, amazing combination of chemical and physical properties are dependent on the presence of the unique silicone-oxygen-silicone skeleton, offers the following properties,

- Minimal change in physical properties over a broad temperature range.
- Excellent water-repellent properties.
- Good dielectric properties
- Low surface tension and thus high surface activity
- Chemically highly unreactive
- Low solidifying point
- High flash point
- High heat resistance
- Good solubility in a wide range of solvents

Technical data

Properties

Property	Condition	Value	Method
Appearance	-	Colourless clear	Visual
Weight loss	5 gm, 200° C, 3 hr	≤2 %	-
Viscosity	Spindle no. 1, rpm 6, 25° C	350 cps	Brookfield LVT

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 & conditions always take precedence. The disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Applications

- As excellent lubricant for rubber and plastic surfaces, including gears, bearings, bushings, motion picture film and photograph records.
- As a most efficient polishing agent used in most automobile and furniture polishes, resulting in polishes that develop a high gloss with least rubbing.
- As an excellent release agent in moulding plastic and rubber, non-ferrous metal die casting.
- As water-repellent treatment for glass, ceramic etc.
- As a polish and plastic additive.
- As a liquid dielectric for electrical and electronic equipment.

Application details

WACKER FLUID 350 has many diverse applications, no general processing information can be provided. Parameters will vary from application to application.

Available in a range of viscosities, WACKER FLUID 350 are miscible with each other in any ratio. The standard product's viscosity can thus be altered to suit your individual needs.

WACKER FLUID 350 is a non-polar liquid and is immiscible with polar solvents such as water or short-chain alcohols. In aliphatic and aromatic hydrocarbons, chlorohydrocarbons, ethers, esters, ketones and higher alcohols, WACKER FLUID 350 is soluble in any proportion. Before the product is used with solvents for the first time, it is advisable to perform a lab-scale test. When solvents are used, please remember to read the appropriate hazard information.

- Release agent
- Lubricant
- Hydraulic fluid
- Antifoam agent
- Water-repellent agent
- Liquid dielectric for electrical and electronic equipment

- Heat-transfer oil
- Polish additive
- Plastics additive

Packaging, Storage, and shelf life

Packaging

- 35 Kg Jerrycan
- 200 Kg drum

Storage & shelf life

WACKER FLUID 350 has a shelf life of at least 12 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 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>.

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

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