

WACKER FLUID 1000

Silicone Fluid

WACKER FLUID 1000 is a linear, non-reactive polydimethylsiloxane with a viscosity of approx. 1000 cps. It has an outstanding property profile, which sets it apart from organic materials such as mineral oils.

Properties

WACKER FLUID 1000 offers the following properties

- Available in the form of crystal-clear liquid of viscosity 1000 centistokes.
- 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
- High flash point
- High heat resistance
- It is characterized by non-toxicity and non-irritating, oxidation resistance.
- It has high resistance to permanent break-down due to shear.

Technical data

Properties

Property	Condition	Value	Method
Viscosity, dynamic	Spindle no. 1, rpm 6, 25° C Brookfield LVT	900 – 1100 cps	ISO 3219
Weight loss	5 gm, 200° C, 3 hr	≤2 %	-
Appearance	-	Colourless clear	Visual

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 an 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 an emollient used in broad range of personal care cosmetic and elastomer formulations.

Packaging, Storage, and shelf life

Packaging

- 35 Kg Jerrycan
- 200 Kg drum

Storage & shelf life

WACKER FLUID 1000 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>.

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

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