

WACKER[®] FC 382

Functional Silicone Fluids

WACKER[®] FC 382 is a polyalkylene oxide modified polydimethylsiloxane designed to provide the user with a combination of uses not possible with conventional organic surfactants. WACKER[®] FC 382 can be used in aqueous and non-aqueous systems.

WACKER[®] FC 382 is a polydimethylsiloxane having organo functional groups in pendant positions. This results in a multi-functional polydimethylsiloxane. The functional groups are bonded to the polydimethylsiloxane by chemically inert alkylene spacer groups, which are stable to hydrolysis.

Technical data

General Characteristics

Property	Condition	Value	Method
Water content	-	0.00 - 0.50 %	Karl Fischer
pH Aq	10 %	5.0 - 7.0	-
Viscosity, dynamic	25 °C	150 - 700 cP	-
Appearance	25 °C	Clear to slightly hazy	-
Cloud point	-	115 °C	-
Hydroxyl Number	-	75 - 85 mg KOH/g	-

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.

Application details

WACKER® FC 382 is particularly suitable in numerous applications, including: coating to improve coefficient of friction and leveling properties. Due to WACKER® FC 382 low surface tension it can yield high wetting, while also enhancing lubricity, sheen, gloss, anti-caking, static suppressing, antifoaming and moderate profoaming. It also demonstrates surfactancy properties that are of benefit in multiple other end applications. It is 100% concentrated, economical, and has low toxicity.

Packaging and storage

Storage

The "Best use before end date" of each batch is shown on the Certificate of Analysis. Storage beyond the date specified on the Certificate of Analysis 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

For specific information regarding safe handling of this material, please refer to the Safety Data Sheet.

QR Code WACKER® FC 382



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

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