WACKER® F784

Functional Silicone Fluids

WACKER® F784 is an aminofunctional dimethylpolysiloxane fluid, which is designed to impart both detergent and corrosion resistant properties to automobile polishes. WACKER® F784 may provide excellent results by itself or in combination with F756 aminofunctional silicone fluid and standard polydimethylsiloxanes (AK fluids).

Technical data

General Characteristics

Property	Condition	Value	Method
Viscosity, kinematic	25 °C	60 mm^2/s	-
Active content	-	100 %	-
Appearance	-	Clear, colorless	-
Base equivalent (millequivalents of base per gram of fluid)[1]	-	0.45	-
Flash point	-	62.222 °C	Pensky-Marten
Specific gravity	-	0.974	-

[1] to neutralize 100 g of F784 add 0.15 equivalents of acid

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

Applications

- Chemical Industry
- Wash & Abrasion Resistance
- Wash-and-Wax Agents

Application details

WACKER® F784 is insoluble in water, but it can readily be incorporated into emulsion formulations. Unlike most typical aminofunctional silicone fluids, WACKER® F784 does not readily gel when added to water. WACKER® F784 has been designed to have a slow rate of hydrolysis. This property improves the ease of handling in a manufacturing facility.
Blends of Wacker's silicone fluids are often used in polishes to control rub-out and gloss properties. The ratio to achieve the best rub-out, gloss and detergent resistant properties is best determined by evaluation of the blends in the particluar polish formula under consideration. WACKER® F784 may provide excellent results by itself or in combination with F756 aminofunctional silicone fluid and standard polydimethyl silicone fluids (AK fluids).

Packaging and storage

Storage

WACKER® F784 has a shelf life of at least 12 months from date of manufacture when stored between 0°C and 24°C in the tightly closed original container. 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® F784

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

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