WACKER® IM 22

Functional Silicone Fluids

WACKER® IM 22 is a polydimethylsiloxane having polyether groups in α,ω-position.

Properties

Due to their terminal functional groups WACKER® IM 22 is a valuable reactive silicone intermediate, with the typical reactivity of the corresponding functional groups, i.e. esterifications, transesterifications and addition reactions with isocyanates. This results in manifold possibilities for further chemical modification and for the silicone modification of organic polymers.
Modification of organic systems with polydimethylsiloxanes results in a change of the properties of the system. Typical properties of the polydimethylsiloxane backbone are, for example:

- insertion of hydrophilic properties
- low surface tension
- good softening effects
- high chemical stability
- improved low-temperature stability
- very good low-temperature flexibility

Technical data

General Characteristics

Property	Condition	Value	Method
Viscosity, kinematic	25 °C	approx. 200 mm^2/s	DIN 51562-1
Functional Group Carbinol	-	$(CH_2)_3[OCH_2CH_2]_{10}OH$	-
Hydroxyl number approx.[(1)]	-	60 mg KOH/g	-

[1]acc. DIN 53240-2

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

Application details

WACKER® IM 22 are used in following applications of the textile auxiliary industry:

PUR-fine coating: plastifier, softener
artifical leather: paint additive

Processing:

WACKER® IM 22 can be used neat, from solution, or emulsion. Due to its polyglycol groups WACKER® IM 22 shows hydrophilic properties and improved solubility in polar organic systems, e.g. ethanole and isopropanole.

Packaging and storage

Storage

The 'Best use before end' date of each batch is shown on the product label.

Storage beyond the date specified on the label 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

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.

QR Code WACKER® IM 22

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

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