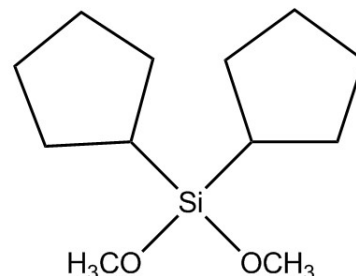


# Silane CP2 Dimethoxy

## Silanes

Silane CP2 Dimethoxy is a colourless, clear liquid with a weak characteristic odor. It is soluble in organic solvents; but not soluble in water. Silane CP2 Dimethoxy is used as an external donor silane in Ziegler-Natta catalysis to polymerize propene to polypropylene. Silane CP2 Dimethoxy is also known as Donor D in the chemical literature.

CAS No. 126990-35-0 | Empirical formula  $C_{12}H_{24}O_2Si$  | Molecular weight 228,40 g/mol



## Properties

Silane CP2 Dimethoxy offers the following performance advantages:

- Increased yield of polymer per unit weight of catalyst.
- Increased isotactic content of polypropylene-based polymers.
- Improved molecular weight dispersity of the polymer.

## Technical data

### General Characteristics

Property	Condition	Value	Method
Appearance	-	clear, colorless liquid	-
Boiling point	1013 hPa	257 °C	-
Density	25 °C   1013 hPa	0.98 g/cm <sup>3</sup>	DIN 51757
Flash point	-	> 100 °C	ISO 2719
Hydrolyzable chloride (as HCl)	-	max. 10 ppm	-
Ignition temperature	-	235 °C	DIN 51794
Methanol	-	max. 500 ppm	GC
Purity	-	min. 98 %	GC
Refractive index	25 °C	1.466	-
Viscosity, dynamic	25 °C	2.5 mPa·s	DIN 51562

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.

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be downloaded via WACKER web site <http://www.wacker.com>.

## Applications

- Catalysis
- Plastic Additives
- Thermoplastics & Elastomers

## Application details

Avoid access of moisture during handling and processing.

The method of use is so dependent upon the manufacturer's own catalyst system that no specific suggestions can be made.

Silane CP2 Dimethoxy is used as component of a Ziegler-Natta olefin polymerization catalyst system.

## Packaging and storage

### Packaging

- 25 kg can
- 190 kg drum

### 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 Silane CP2 Dimethoxy



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

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The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.