



Date of issue: 04.07.2019

Product specification

Product: Orisil 200
FUMED SILICA

PRODUCT DESCRIPTION

ORISIL® 200 is a synthetic, hydrophilic, amorphous, flame hydrolytic manufactured silica with a specific surface of 200 m²/g.

APPLICATION

ORISIL® 200 is applied as a thickening and thixotropic agent in many organic systems, e.g. in unsaturated polyesters, coatings, printing inks and adhesives. ORISIL® 200 is used as a reinforcing filler in elastomers, mainly silicone-elastomers. ORISIL® 200 acts as a free flow additive in the production of technical powders.

STORAGE

ORISIL® 200 should be stored in the original packaging in dry storage areas.

The product is stable for at least 1 year from date of production. The date of production of each batch is mentioned on the packaging and on the certificate of analysis.

PACKAGING

ORISIL® 200 is offered in 10 kg bags stowed on pallets of 200 kg each.

SAFETY

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. Those are available on request from us at any time.

Like other amorphous silicas ORISIL® 200 does not show either carcinogenic or mutagenic properties.

Typical Properties

	<u>Value</u>
SiO ₂ -content	99,9 %
Bulk Density (undensed / densed)	50 g/l / 110 g/l
BET-Surface Area	200 ± 25 m ² /g

This information is intended as a guide and should not be used in preparing specifications.

This information is based on our present knowledge and experience. In particular, no guarantee of properties in the legal sense is implied. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods.



PRODUCT DESCRIPTION

ORISIL® 200 is a synthetic, hydrophilic, amorphous, flame hydrolytic manufactured silica with a specific surface of 200 m²/g.

TYPICAL PROPERTIES

Property	Value	Unit
Surface Area (BET)	200±25	m ² /g
pH (in 4% dispersion)	3,6-4,3	
Bulk Density (approx. value)		
-undensed	50	g/l
-densed	110	g/l
Loss on Ignition	max. 1,5	wt. %
2h at 1.000°C, based on substance dried (2 h at 105 °C)		
Loss on Heating	max. 1,5	wt. %
2h at 105 °C		
SiO ₂ -content	min. 99,9	wt. %
Fe ₂ O ₃ -content	max. 0,003	wt. %
Al ₂ O ₃ -content	max. 0,05	wt. %
TiO ₂ -content	max. 0,03	wt. %
Sieve Residue	max. 0,04	wt. %

test method: GOST-14922-77

"This is a complete and true copy of the manufacturer's certificate. We are not responsible for the correctness of the data contained therein."

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