



ZANDOSIL® 30 – Pyrogenic Silica for Industrial Applications

Heraeus is a premier supplier of high purity silica products for various industries, like optical fiber processing or semiconductor manufacturing equipment. As a product of our clean-room manufacturing processes in Bitterfeld, Germany, we offer pyrogenic silica powders with highest purity and low surface area.

PROPERTIES

ZANDOSIL® 30

Parameter	Units	Typical Values
Appearance	–	white, fluffy powder
Silicon dioxide content (dried material)	wt. %	> 99,99
Crystal structure	–	amorphous
Property in contact with water/moisture	–	hydrophilic
Bulk density	g/l	approx. 200
Residue from sieving (referring to DIN EN ISO 787-7)	wt. %	< 0,1
BET-surface area	m ² /g	30 ± 5
Particle size D ₅₀	µm	approx. 9
pH of substance dispersed in water (4 %)	–	4,8 ± 0,3
Loss on drying (2 h at 105 °C)	wt. %	0,2 ± 0,1
Loss on ignition (2 h at 1000 °C)	wt. %	0,7 ± 0,1

Applications

ZANDOSIL® can be used in different industries as raw material or as functional additive which permits optimization of product properties. Very high filling loadings are possible due to the low shear-thinning properties.

For any specific application detailed testing and qualification of the material should be undertaken prior to usage.

Packaging and Storage

Standard packaging units are Big Bags of 1 m³/ 2 m³ size, shipped on pallets. Other packaging options are available upon request.

It is recommended to store the product in its original packaging protected from moisture.

Safety Instructions

The safety data sheet includes all relevant instructions for handling. Please contact our office (address given below).

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ZANDOSIL® 30P

Parameter	Units	Typical Values
Appearance	–	white, fluffy powder
Silicon dioxide content (dried material)	wt. %	99,999
Crystal structure	–	amorphous
Property in contact with water/moisture	–	hydrophilic
Bulk density	g/l	approx. 200
Residue < 500 µm	mg/kg	< 10
BET-surface area	m ² /g	30 ± 5
Particle size D ₅₀	µm	approx. 9
pH of substance dispersed in water (4 %)	–	4,8 ± 0,3
Loss on drying (2 h at 105 °C)	wt. %	0,2 ± 0,1
Loss on ignition (2 h at 1000 °C)	wt. %	0,7 ± 0,1

About us

Heraeus is the key global supplier of high purity synthetic fused silica products for optical fiber manufacturing.

We have been a reliable partner in the world telecommunications industry since 1976.

ZANDOSIL® is a registered trademark of Heraeus in the European Union (EU).

In the above context, "Heraeus" means Heraeus Holding GmbH or any affiliate of Heraeus Holding GmbH, e.g Heraeus Quarzglas GmbH & Co KG.