

SILICA DS grade 0,5-2,0 mm

Features & Benefits

Papendrecht-The Netherlands

Sibelco calibrated sands and gravels are produced from high quality raw materials, carefully dried and screened. High silica content and hardness deliver wear resistance, with a low loss on ignition (LOI) and uniformity coefficient (UC), making Sibelco silica sands ideal for different applications; construction, Sport & Leisure, fluid bed and water treatment industry.

These products are produced according to follow standard

EN 12620 2002 +A1:2008

EN 13139:2002

Chemical Data – XRF

Mean values. These do not represent a specification.

SiO ₂	93,54	%
Fe ₂ O ₃	0,93	%
Al ₂ O ₃	2,54	%
TiO ₂	0,08	%
K ₂ O	0,96	%
CaO	0,19	%

Granulometric Data & Physical Characteristics

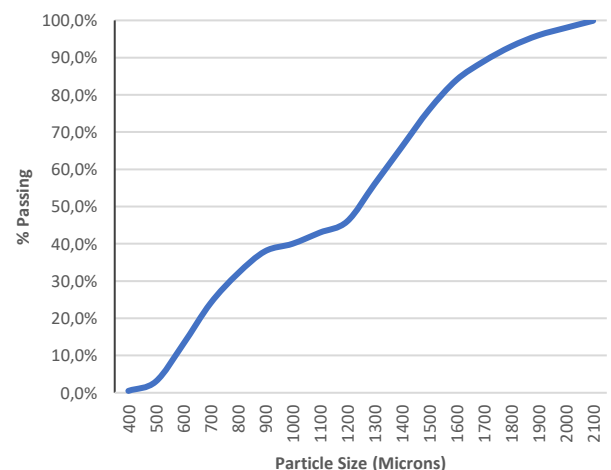
Mean values. These do not represent a specification.

Particle size distribution



Sieve	Unit	% passing
2240	um	100%
2000	um	98%
1900	um	96%
1800	um	93%
1700	um	89%
1600	um	84%
1500	um	76%
1400	um	66%
1180	um	46%
1000	um	40%
900	um	38%
800	um	32%
710	um	25%
600	µm	13%
550	µm	7%
500	µm	3%
400	µm	0%

Typical passing (%)



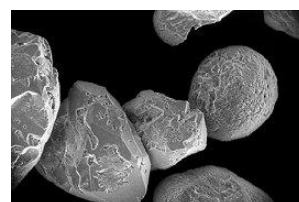
Physical properties

Parameter	Unit	Typical Value
Product Grade	mm	0,5-2,0
Silica Content (SiO ₂)	%	93,54
Specific density	kg/dm ³	2,65
Bulk Density	kg/m ³	1550
Hardness	Mohs	7
pH (1:1 water)	(-)	7
Acid solubility	%	0,61
Loss on ignition	%	0,25
Moisture content	%	0,1
Grain Shape Angularity	Sub Rounded	
Grain Shape Sphericity	Low	

We use RETSCH "Camsizers" for product grain size analyses. These methods are equivalent to the use of sieves based on ISO 3310-1 or ISO 3310-2.

D Values

D Value	Unit	Value
Effective Size (D10)	mm	0,58
Uniformity coefficient (D60/D10)	(-)	2,3
D50	mm	1,24
D90	mm	1,70
AFS		12,74



Availability

Our global logistics network combines substantial storage capacity with efficient loading and shipping facilities, ensuring fast delivery wherever your facility is located. Our products are available in:

- Bulk and bags 25 kg

For Product Information & Customer Service

SIBELCO

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The technical data presented here is for marketing purposes only and is not contractually binding, the data herein is determined using Sibelco standard test methods. Since the product is based upon a naturally occurring material, we reserve the right to change this data when necessary. Safety information accompanying this product is available in the form of an SDS. All sales are undertaken strictly in accordance with our "General Conditions of Sale", available upon request, or by a written sales agreement duly signed by us.

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