Crystalline Silica

Silice C6

Cluster Nemours - France

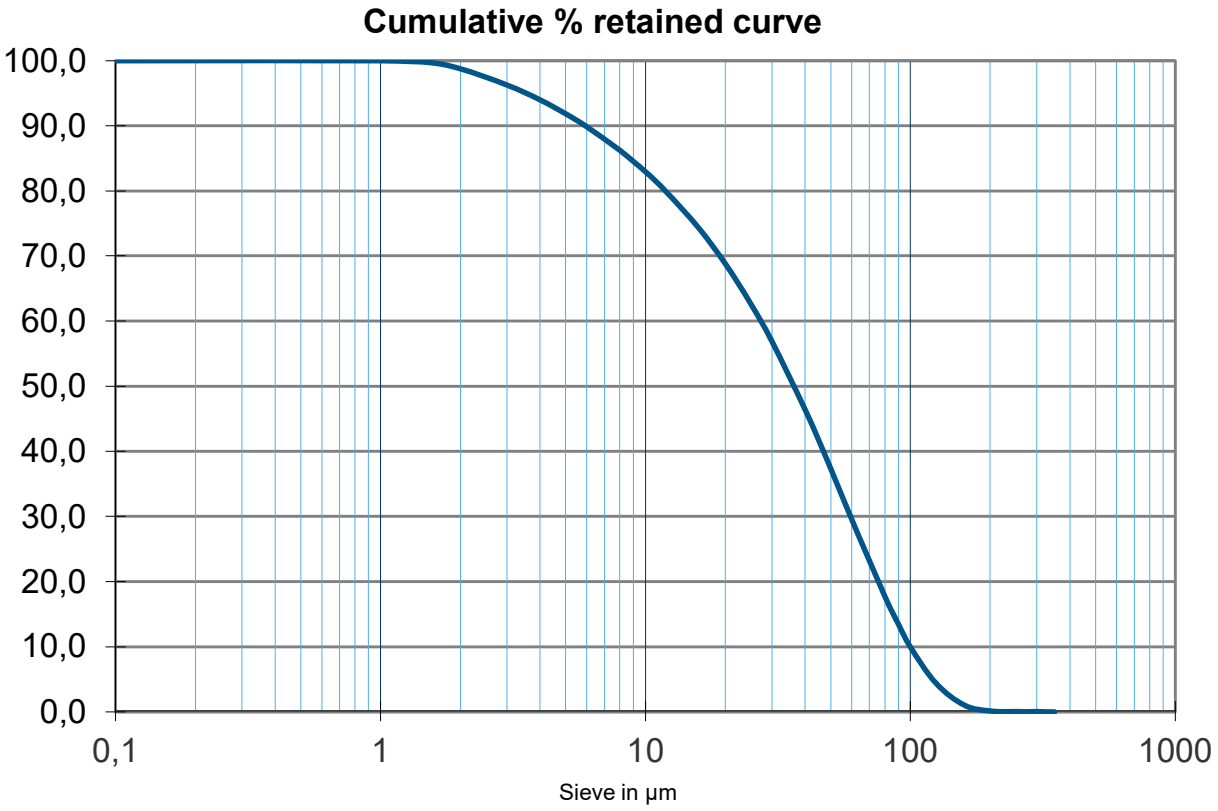
Features & Benefits

Crystalline silica is produced from high-purity quartz for the manufacture and formulation of applications requiring structurally sound, fine mineral fillers. Chemically pure or non-reactive, it is a raw material for the glass industry. Completely inert and pH-neutral, crystalline silica provides high charge in coatings and rigidity in high-performance elastomers and epoxies. Chemically pure, it is also an excellent non-conductor in electrical assemblies and a non-combustible filler in thermal insulating.

Granulometric Data & Physical characteristics

Mean values. These do not represent a specification.

Sieve	% cumulative retained	Method	Other Sizes
> 100 µm	10 %	Granulométrie Laser Malvern MS 3000	D50 = 36 µm
> 90 µm	13,4 %		D10 = 100 µm
> 80 µm	17,8 %		D90 = 6 µm
> 40 µm	46,4 %		
> 10 µm	82,9 %		
> 5 µm	91,8 %		



Parameter		unity	Mean value	Method
Density		/	2,65	Pycnometre
Bulk density		/	1,0	/
Hardness		Mohs	7	/
Refractoriness		(SFC ISO R528)	1750 °C	/
Specific area		cm²/g	2672	calcul
pH		/	7,3	PH mètre
Oil absorption		g/100g	21	ISO 787/5
Humidity ex-works		%	maxi 0,15%	Humidimeter
Colour	L	/	89,24	Chromameter
	a*	/	0,90	CR 410
	b*	/	3,57	

Chemical Analysis (XRF) %

Mean values. These do not represent a specification.

Parameter	unity	Mean value	Méthod
SiO_2	%	99,00	XRF
Fe_2O_3	%	0,028	XRF
Al_2O_3	%	0,422	XRF
TiO_2	%	0,024	XRF
CaO	%	0,018	XRF
K_2O	%	0,310	XRF
L.O.I	%	Maxi 0.20%	1000°C, 1hr

Availability

Available in bulk, bags and big bags
Shipment by truck.

Site of production & Customer Service

Sibelco Compiègne
2 Avenue Louis Barbillon BP10421
60204 COMPIEGNE cedex
France
T: +33 (0)1 86 83 99 30
customersupport.fr@sibelco.com

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