

Crystalline Silica Silice C6

Cluster Nemours - France

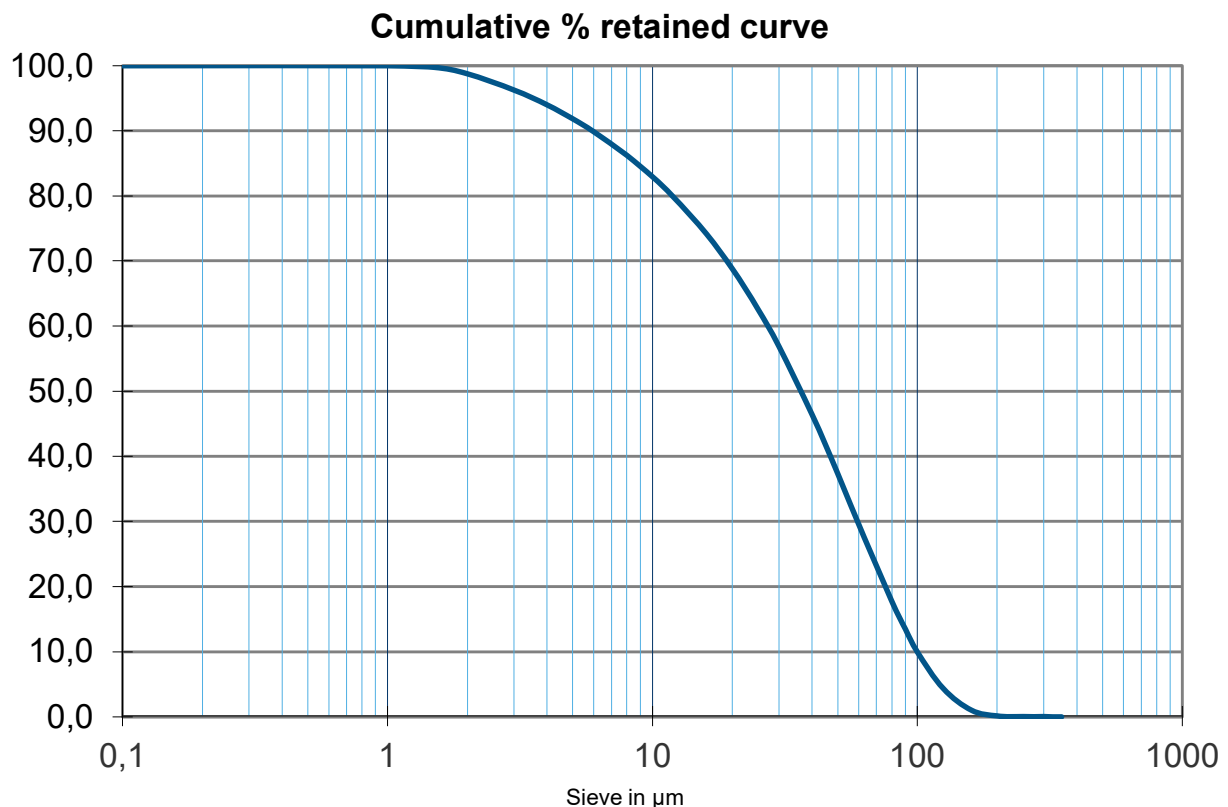
Features & Benefits

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	<table><tr><td>D50 = 36 μm</td></tr><tr><td>D10 = 100 μm</td></tr><tr><td>D90 = 6 μm</td></tr></table>	D50 = 36 μm	D10 = 100 μm	D90 = 6 μm
D50 = 36 μm						
D10 = 100 μm						
D90 = 6 μm						
> 90 μm	13,4 %					
> 80 μm	17,8 %					
> 40 μm	46,4 %					
> 10 μm	82,9 %					
> 5 μm	91,8 %					



Parameter	unity	Mean value	Method
Density	/	2,65	Pycnomètre
Bulk density	/	1,0	/
Hardness	Mohs	7	/
Refractoriness	(SFC ISO R528)	1750 °C	/
Specific area	cm ² /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 ₂ O ₃	%	0,028	XRF
Al ₂ O ₃	%	0,422	XRF
TiO ₂	%	0,024	XRF
CaO	%	0,018	XRF
K ₂ O	%	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

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Silice C6_TDS_COMPIEGNE_FR_JAN24_EN_1.00