

# Crystalline Silica

**Cluster Nemours - France** 

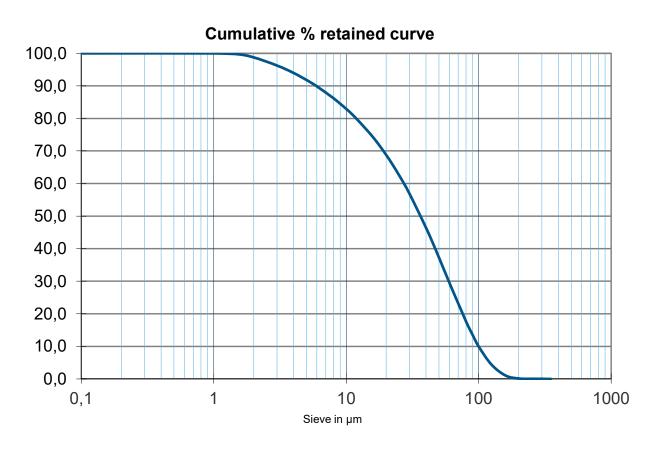
#### **Features & Benefits**

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





Parameter	unity	Mean value	Method
Density	1	2,65	Pycnometre
Bulk density	1	1,0	/
Hardness	Mohs	7	/
Refractoriness	(SFC ISO R528)	1750 °C	/
Specific area	cm²/g	2672	calcul
рH	1	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 <sub>2</sub>	%	99,00	XRF
$Fe_2O_3$	%	0,028	XRF
$Al_2O_3$	%	0,422	XRF
TiO <sub>2</sub>	%	0,024	XRF
CaO	%	0,018	XRF
K <sub>2</sub> 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

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