

Features & Benefits

SIBELITE® coarse products are high-purity silica products produced by thermal treatment at high temperature of selected and treated quartz grains. The modified crystal structure “cristobalite” is afterwards stabilised by fast cooling down. A narrow particle size distribution, excellent optical properties, constant whiteness and chemical inertness lead to a highly appreciated raw material in many performing industries, such as silicates, plastics, coatings, precision-casting, ceramics etc.

Granulometric Data & Physical Characteristics

Mean values. These do not represent a specification.

		M72	M72T	J-72S	Method
D ₅₀	µm	310	280	330	ISO 933-01
> 500 µm	%	6	0.5	14	Dry sieving
Colour	L*	97	97	97	Spectrophotometer
	a*	-0.18	-0.15	0.03	Spectrophotometer
	b*	0.9	0.7	1.0	Spectrophotometer
pH	-	9	9	8	ISO 787/9
Density	g/cm ³		2.3		He-pycnometer
Bulk density, compacted	g/cm ³	1.1	1.14	1.1	Scott Volumeter
Refractive index			1.48		ASTM D-801
Hardness	Mohs		6.5		

Chemical Analysis

Mean values. These do not represent a specification.

	Weight-%		Method
M72	M72T	J-72S	
SiO ₂	99.5	99.2	XRF
Fe ₂ O ₃	0.03	0.04	XRF
Al ₂ O ₃	0.2	0.2	XRF
TiO ₂	0.02		XRF
MgO		0.02	XRF
K ₂ O	0.05	0.09	XRF
CaO	0.01	0.02	XRF

Availability

	M72	M72T	J-72S
Dessel (BE)	25 kg bags 1200 kg BB Bulk	1200 kg BB	
Goole Docks (UK)	25 kg bags 1200 kg BB		
Arcos (ES)			Bulk
Nules (ES)			25 kg bags (labelled N-72)

For Product Information & Customer Service

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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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