TECHNICAL DATA SHEET

Silzot® HQ

Description:

Silzot® HQ (Powder) is a grey powder derived from the direct chemical reaction of silicon and nitrogen.
CAS-No.: 12033-89-5
Chemical Name / Formula: Silicon Nitride / α- Si3N4

Characteristics:

	Specified	Typical Value
N-content	≥ 38,5 %	> 38,7 %
O-content	≤ 1,0 %	< 0,6 %
α-content	≥ 85 %	> 86 %
C		< 0,20 %
Al		< 0,07 %
Fe		< 0,03 %
Ca		< 0,03 %
Other Elements	single elements	≤ 0,02 %
	total amount	≤ 0,10 %

Particle Size:

powder — d 98 ≤ 10 µm

d 98 < 7 µm
d 90 < 5 µm
d 50 < 1,9 µm

(Sympatec HELOS dry analysis)

other grain size distributions on demand.

Packaging:

200 L steel drums with inner PE bag, containing 100 kg.

Storage Condition:

Silzot® HQ (Powder) should be kept in a dry place and in closed original container. The shelf life of Silzot® HQ (Powder) at room temperature is min. 24 months in the original unopened container, under the storage conditions as suggested in the MSDS.

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