

Technical Data Sheet



Description: **Silzot® TQ (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

Specification:	N-content	≥ 38,0	%
	O-content	≤ 1,5	%

Characteristics:	α -content	≥ 90	%
	C	≤ 0,20	%
	Al	≤ 0,20	%
	Fe	≤ 0,20	%
	Ca	≤ 0,10	%

Particle size: d 98 < 10 µm
(Sympatec HELOS dry analysis)

other grain size distribution on demand

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

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

AlzChem AG, Dr. Albert-Frank-Straße 32, 83308 Trostberg
Phone +49 8621/86-0, Fax +49 8621/86-2911
Email: silzot@alzchem.com

This information and all technical and other advice are based on AlzChem's present knowledge and experience. However, AlzChem assumes no liability for such information or advice, including the extent to which such information or advice may relate to third party intellectual property rights or to laws and provisions. AlzChem reserves the right to make any changes to information or advice at any time, without prior or subsequent notice. ALZCHEM DISCLAIMS ALL REPRESENTATIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, AND SHALL HAVE NO LIABILITY FOR MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR A PARTICULAR PURPOSE (EVEN IF ALZCHEM IS AWARE OF SUCH PURPOSE), OR OTHERWISE. ALZCHEM SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. It is the customer's sole responsibility to arrange for inspection and testing of incoming products by qualified experts. Reference to trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used.

Edition: January 2016 (This data sheet supersedes all previous data sheets for this product.)