

ZEODENT® 103

Precipitated Silicon Dioxide

Characteristic physico-chemical data*

Properties and test methods	Unit	Value
PCR	20% loading	100
RDA	20% loading	180
Median particle size	µm	10
Linseed oil absorption	ml/100g	60
Sieve residue, 325 Mesh	%	1
Fluoride compatibility	%	95
Sodium sulfate	%	1,5
pH value, 5 % in water	-	7,5
Loss on drying	%	7

*) The given data are typical values. Specifications on request.

Certifications and Classifications

ZEODENT® 103

CAS-No.	112926-00-8 resp. 7631-86-9
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- Quality excellence achieved through GMPs and ISO:9001 certifications
- Meets USP-NF for Dental Type Silica, EP and JPE monographs
- Conformity with ECOCERT and COSMOS standards
- Certified as Kosher, Pareve, Kosher for Passover, and Halal

ZEODENT® 103 Silicon Dioxide offers excellent cleaning and whitening when used as a stand alone abrasive, or it can be used in combination with ZEODENT® 113 or ZEODENT® 116 silicas. At varying dosage levels, ZEODENT® 103 Silicon Dioxide allows formulators to achieve a broad range of cleaning and whitening performance.

To achieve the greatest cleaning, formulate at 15 – 20%. In combination with standard abrasives, the use of ZEODENT® 103 at 2 – 10% concentration will enhance the whitening of a standard cleaning formula with moderate increases in abrasion.

Properties and applications

- High level of cleaning
- Can be formulated alone or in combination with other Evonik cleaning silicas for enhanced cleaning and whitening
- Cost effective way to increase levels of cleaning and whitening
- High level of compatibility with active ingredients

Safety and Handling

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet. We recommend to read carefully the Safety Data Sheet prior to the use of our product.

Packaging and storage

For details regarding our packaging options for this product, please contact your local sales representative. Our silica products are inert and extremely stable chemically. However, due to their high specific surface area, they can absorb moisture and volatile organic compounds from the surrounding atmosphere. Therefore, we recommend storing the products in sealed containers in a dry, cool place, and removed from volatile organic substances. Even if a product is stored under these conditions, after a longer period it can still pick up ambient moisture over time, which could lead to its exceeding the specified moisture content.

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