

ZEODENT® 124

Precipitated Silicon Dioxide

Characteristic physico-chemical data*

Properties and test methods	Unit	Value
PCR	20% loading	90
RDA	20% loading	150
Median particle size	µm	10
Linseed oil absorption	ml/100g	70
Sieve residue, 325 Mesh	%	1
Fluoride compatibility	%	95
Sodium sulfate	%	1
pH value, 5 % in water	-	7
Loss on drying	%	6

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

Certifications and Classifications

ZEODENT® 124

CAS-No.	112926-00-8 resp. 7631-86-9
	<ul style="list-style-type: none"> • 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® 124 Silicon Dioxide is Evonik’s medium-to-high cleaning silica, offering improved optical performance over ZEODENT® 103. It also has reduced abrasion, making it gentler on teeth enamel. When formulated with ZEODENT® 116, we gentle cleaning silica provides equivalent levels of cleaning at significantly reduced levels of abrasion for the same total loading of silica. This gives formulators the ability to develop toothpastes that can deliver the benefits of high cleaning and stain removal while reducing the impact on enamel, dentin and the gum line.

Properties and applications

- Medium/high level of cleaning
- Can be formulated alone or in combination with Evonik high cleaning silicas for enhanced cleaning
- Improved optical performance compared to high cleaning silicas
- High level of compatibility with active ingredients
- Reduced abrasion vs. high cleaning silicas

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.

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.

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