

ZEODENT® 116

Precipitated Silicon Dioxide

Characteristic physico-chemical data*

Properties and test methods	Unit	Value
PCR	20% loading	70
RDA	20% loading	60
Median particle size	µm	10
Linseed oil absorption	ml/100g	100
Sieve residue, 325 Mesh	%	1
Fluoride compatibility	%	95
Sodium sulfate	%	1,5
pH value, 5 % in water	-	7
Loss on drying	%	6

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

Certifications and Classifications

ZEODENT® 116

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® 116 Silicon Dioxide offers the gentlest cleaning possible. It has the highest ratio of cleaning to abrasion, making it ideally suited for formulations where a softer touch is required. It is ideally suited for use in formulations with Evonik medium-to-high cleaning silicas, to provide equivalent levels of cleaning at significantly reduced levels of abrasion, when compared to the same total loading of medium-to-high cleaning silica alone.

Properties and applications

- Low abrasivity
- Exceptional formulating flexibility
- Excellent optical properties
- Can be formulated alone or in combination with Evonik high cleaning silicas for enhanced cleaning
- 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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