

ZEODENT® 165

Precipitated Silicon Dioxide

Characteristic physico-chemical data*

Properties and test methods	Unit	Value
Median particle size	µm	12
Linseed oil absorption	ml/100g	220
Sieve residue, 325 Mesh	%	≤ 1.5
Fluoride compatibility	%	≥ 90
Sodium sulfate	%	≤ 2.0
pH value, 5 % in water	-	7.0
Loss on drying	%	≤ 7

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

Certifications and Classifications

ZEODENT® 165

CAS-No.	112926-00-8 resp. 7631-86-9
	<ul style="list-style-type: none"> • Production sites are certified according to ISO 9001, and have implemented Good Manufacturing Practices • Meets USP-NF "Dental-Type Silica" and EP "Silica, dental type" monographs • Is listed as "derived mineral ingredient" in the Annex D of ISO 16128-1 with the INCI name Hydrated Silica • Conforms with COSMOS (as non-organic raw material) • Is certified as Kosher, Kosher for Passover, Pareve, and Halal • Is listed by NATRUE in Annex 2 (Nature-identical inorganic pigments and minerals approved in natural cosmetics) with the INCI name Hydrated Silica

With great optical clarity and a higher level of thickening, ZEODENT® 165 is a true classic. Our standard thickener offers outstanding performance in building high levels of viscosity when used in combination with Evonik's line of high cleaning silica. ZEODENT® 165 also delivers exceptional optical clarity, making it our first choice when formulating clear gel toothpastes.

Benefits

- High viscosity builder
- Ideal for use with high cleaning toothpaste
- Superior optical clarity ideal in clear gel toothpastes
- Superior stability, smoothness, dispersion, and mouth feel
- High level of compatibility with sodium fluoride and other active ingredients

Safety and Handling

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from Evonik Operations, Product Safety Department, E-MAIL sds-im@evonik.com 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. For this reason, our recommended use-by date is 36 months after date of manufacture. Product more than 36 months old should be tested for moisture content before use in order to make certain that it is still suitable for the intended application.

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