

ZEODENT® 167 – Our viscosity builder

Precipitated Silicon Dioxide

Characteristic physico-chemical data*

Properties and test methods	Unit	Value
Median particle size	µm	13
Linseed oil absorption	ml/100g	230
Sieve residue, 325 Mesh	%	1
Fluoride compatibility	%	97
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

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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

ZEODENT® 167 is designed for formulations that need the ultimate thickening. It has the highest viscosity building abilities of our entire portfolio of precipitated silica products. When extreme cleaning is also desired, combine ZEODENT® 167 with high cleaning silica ZEODENT® 103 and ZEODENT® 124.

Benefits

- Extreme viscosity builder for the ultimate thickening
- Ideal for high clarity applications
- Exceptional formulating flexibility
- 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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**Applied Technology
Evonik Operations GmbH**
Business Line Silica
Rodenbacher Chaussee 4
63457 Hanau-Wolfgang
Germany
PHONE +49 6181 59-3536
FAX +49 6181 59-4096
ask-si@evonik.com
www.silica-specialist.com

**Europe/ Middle-East/
Africa/ Latin America
Evonik Operations GmbH**
Business Line Silica
Rodenbacher Chaussee 4
63457 Hanau-Wolfgang
Germany
PHONE +49 6181 59-8118
FAX +49 6181 59-78118
ask-si@evonik.com
www.silica-specialist.com

**North America
Evonik Corporation**
Business Line Silica
299 Jefferson Road
Parsippany, NJ 07054-0677
USA
PHONE +1 800 233-8052
FAX +1 973 929-8502
ask-si@evonik.com
www.silica-specialist.com

**Asia-Pacific
Evonik (SEA) Pte. Ltd.**
Business Line Silica
3 International Business Park
#07-18, Nordic European Centre
Singapore 609927
PHONE +65 6 809 6877
FAX +65 6 809 6677
ask-si-asia@evonik.com
www.silica-specialist.com