

# ZEODENT® 168 – Powerful thickening effect

## Characteristic physico-chemical data\*

Properties and test methods	Unit	Value
Median particle size	µm	12
DOA absorption, orig.Subst.	ml/100g	230
Sieve residue, 325 Mesh	%	≤ 1.5
Fluoride compatibility	%	≥ 90
Sodium sulfate	%	≤ 1.5
pH value, 5 % in water	-	6.5
Loss on drying	%	≤ 7

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

## Certifications and Classifications

### ZEODENT® 168 – Powerful thickening effect

CAS-No.	112926-00-8 (ex 7631-86-9)
REACH (Europe)	registered
TSCA (USA) AICS (Australia) DSL (Canada)	registered
PICCS (Philippines) IECSC (China)	registered
ENCS (Japan)	registered
KECI (Korea)	registered
NZIoC (New Zealand)	registered

- 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® 168 provides the highest level of thickening of all Evonik precipitated silica, at minimum concentrations. A lower usage level additionally can provide rheological benefits and create room in your formulations for other ingredients. Use ZEODENT® 168 for a higher viscosity and great thickening efficiency.

## Benefits

- Highest level of thickening at minimum concentrations
- Superior stability, smoothness, dispersion, and mouth feel
- High level of compatibility with sodium fluoride and other active ingredients
- Formulated in combination with other Evonik silicas for enhanced cleaning

## 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](mailto: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.

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

**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