

ZEOFREE® PLUS 5782

Precipitated Silicon Dioxide

Characteristic physico-chemical data*

| Properties and test methods | Unit | Value |
|-----------------------------|--|-------|
| Median particle size | µm | 15 |
| DOA oil absorption | ml/100g | 300 |
| Water absorption | ml/100g Dried Basis (2 hours at 105°) | 290 |
| Linseed oil absorption | ml/100g | 260 |
| Loss on drying | % | 6 |
| pH value, 5 % in water | - | 6,5 |
| Bulk density | kg/m ³ | 120 |

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

Certifications and Classifications

ZEOFREE® PLUS 5782

| | |
|---------|--|
| CAS-No. | 112926-00-8 resp. 7631-86-9 |
| | <ul style="list-style-type: none"> • Quality excellence achieved through GMPs and ISO:9001 certifications • FDA compliance: 21 CFR 172.480, 173.340, 160.105 & 185 • Compliance with the purity criteria in Regulation (EU) 231/2012 (E551) as amended • Certified as Kosher, Pareve, Kosher for Passover, and Halal |

ZEOFREE® PLUS 5782 silicon dioxide has a small particle size and is highly absorptive, which provides anti-caking and improved flow properties for both food and industrial powders requiring a high degree of protection. Moisture, pressure, temperature, static charge, fat and oil content all adversely affect your powdered and granulated products during production, processing, storage and customer use. They can make your products cake, lump, bridge, clog equipment and give you packaging and performance issues. Evonik provides solutions to improve the flow behavior and storage stability of powders with specialty engineered anti-caking & free-flow agents and carriers. Through advanced controlled structure technology and custom application development, Evonik can provide the optimal solution for your application. Our proven conditioning agents and carriers are non-deleterious, odorless and tasteless powders that can be used in a wide variety of applications.

Benefits

- Improved flow properties
- Offers faster production rates and increased capacity
- Reduced production downtime and maintenance
- Improved product quality and consistency
- Improved package weight accuracy
- Decreases caking and lumping

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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Applied Technology**Evonik Resource Efficiency 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.sipernat.com

Europe/ Middle-East/**Africa/ Latin America****Evonik Resource Efficiency 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.sipernat.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.sipernat.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.sipernat.com