

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. For this reason, our recommended use-by date is 36 months after date of manufacture. Product

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