

ZEOFREE® 5161

Precipitated Silicon Dioxide

Characteristic physico-chemical data*

Properties and test methods	Unit	Value
Median particle size	µm	20
Linseed oil absorption	ml/100g	220
Carrying Capacity	%	72
Loss on drying	%	5
pH value, 5 % in water	-	7
Bulk density	kg/m ³	160
BET Surface Area	m ² /g	160

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

Certifications and Classifications

ZEOFREE® 5161

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 • Conformity with COSMOS standard • Certified as Kosher, Pareve, Kosher for Passover, and Halal

Evonik provides solutions to improve the flow behavior and storage stability of powders with specialty engineered anti-caking & free-flow agents and carriers. Moisture, pressure, temperature, static charge, fat and oil content all adversely affect powdered and granulated products during production, processing, storage and customer use. They can make products cake, lump, bridge, clog equipment and cause packaging and performance issues. Through advanced controlled structure technology and custom application development, Evonik provides conditioning agents and carriers that are non-deleterious, odorless and tasteless powders 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

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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