

ZEOFREE® PLUS 5781

Precipitated Silicon Dioxide

Characteristic physico-chemical data*

Properties and test methods	Unit	Value
Median particle size	µm	35
DOA oil absorption	ml/100g	300
Water absorption	ml/100g Dried Basis (2 hours at 105°)	300
Linseed oil absorption	ml/100g	260
Loss on drying	%	6
pH value, 5 % in water	-	6,5
Bulk density	kg/m ³	145

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

Certifications and Classifications

ZEOFREE® PLUS 5781

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 5781 silicon dioxide is an extremely absorptive, medium particle size carrier that allows liquids to be converted into a convenient free-flowing powder for easy processing and handling. Effective carrying and powderization of liquids requires balancing the carrying capacity of the carrier, the viscosity of the liquid, the liquid droplet size when sprayed onto the powder and the mixing rate – all at the same time. ZEOFREE® PLUS 5781 silicon dioxide is specifically engineered to be used when you need the highest level of carrying capacity for the most challenging applications. So, whether you need to make a dry liquid concentrate (DLC) for a food, detergent, agricultural or industrial application, Evonik has a broad portfolio of high performance carriers to suit a wide range of applications.

Properties and applications

- Highest carrying capacity
- Clean convenient handling
- Accurate dosing and weighing
- Create combinations of liquids that can be easily added as one powdered ingredient such as detergents
- Shorter cycle times
- Less loss of material
- Tasteless carrier will not add flavor

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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