

SIPERNAT® 813

Precipitated Sodium Aluminosilicate

Characteristic physico-chemical data*)

Properties and test methods	Unit	Value
BET Surface Area	m ² /g	130
Linseed oil absorption	ml/100g	85
Median particle size	µm	6
Loss on drying 2 h at 105°C following ISO 787-2	%	6
pH value 5 % in water following ISO 787-9	-	7
ISO brightness	%	98
Refractive index	20°C	1.47
Bulk density	kg/m ³	330
Loss on ignition ²⁾ 2 h at 1000°C following ISO 3262-1	%	10

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

Registrations

SIPERNAT® 813

CAS-No.

1344-00-9

- Quality excellence achieved through GMPs and ISO:9001 certifications

SIPERNAT® 813 Sodium Aluminosilicate has neutral pH, medium particle size, high brightness and moderate oil absorption. These properties together with excellent light scattering power and unique structure provide high performance in paper filling and coating applications. The performance is primarily seen in paper as improved brightness, opacity, printability and friction. SIPERNAT® 813 Sodium Aluminosilicate is also suitable for partial or total TiO₂ replacement depending on the paper application and is suitable for acid and alkaline paper environments.

Properties and applications

- Excellent opacifier
- High brightness
- Improved printability
- Low abrasion
- Controlled particle size and morphology
- High bulk

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 24 months after date of manufacture. Product more than 24 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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