

SPHERILEX® DP-0212

Sodium Aluminosilicate

Characteristic physico-chemical data*

Properties and test methods	Unit	Value
Median particle size	µm	4.5
Particle Size d95	µm	10
Specific Gravity	g/cc	2.3
Linseed Oil Absorption	ml/100g	55
BET Surface Area	m ² /g	200
Sodium Sulfate Content	%	< 1
pH	5 %	8
Refractive Index		1.51

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

Certifications and Classifications

SPHERILEX® DP-0212

CAS-No.	73987-94-7
<ul style="list-style-type: none">Quality excellence achieved through GMPs and ISO:9001 certifications	

Evonik developed SPHERILEX® Silicon Dioxide and Sodium Aluminosilicate. The patented manufacturing process produces spherical silica particles with unusually narrow size distributions and low binder demand.

DP-0212 Sodium Aluminosilicate has a unique spherical particle shape that balances excellent burnish resistance and low binder demand with sheen control in architectural paints. SPHERILEX® DP-0212 Sodium Aluminosilicate has higher surface area and higher refractive index than other members of the SPHERILEX® Sodium Aluminosilicate family of products. It is especially useful for sheen control in thinner films and binder systems with higher refractive index where clarity and light transmission are important, such as waterborne urethanes.

Benefits

- Maximum burnish and abrasion resistance
- Outstanding scrub resistance
- Broad system compatibility
- Excellent clarity and color in deep tints
- Low binder demand and low viscosity at high loadings
- Low abrasive character for improved metal marking and low dirt pick-up

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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