

SPHERILEX® DP-0221

Sodium Aluminosilicate

Characteristic physico-chemical data*

Properties and test methods	Unit	Value
Median particle size	µm	3.5
Particle size d10	µm	2.0
Particle size d90	µm	6.5
Particle size >25	µm	< 100 ppm
Linseed Oil Absorption	ml/100g	76
Moisture	%	1.6
pH	5 %	7.8
Packed Density	g/ml	0.714

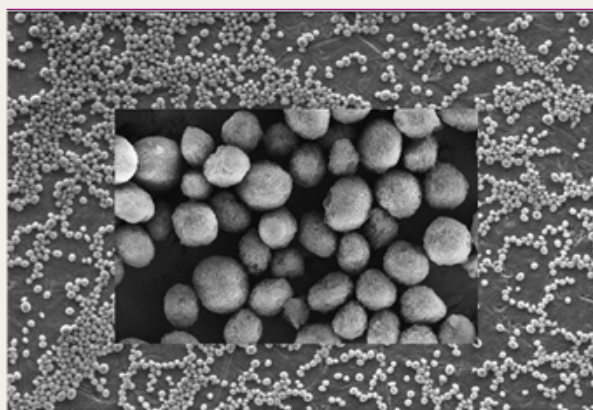
*) The given data are typical values. Specifications on request.

Certifications and Classifications

SPHERILEX® DP-0221

CAS-No.	1344-00-9
<ul style="list-style-type: none"> Quality excellence achieved through GMPs and ISO:9001 certifications 	

Description Image



SPHERILEX® DP-0221 Sodium Aluminosilicates have attractive properties for polymer film antiblock applications. As shown in antiblock testing, SPHERILEX® Sodium Aluminosilicate particle size and uniform particle size distribution provides optimal clarity and antiblock efficiency in plastic films. Higher masterbatch loadings are possible due to its low oil absorption, which also prevents absorption of slip agents. The spherical morphology results in reduced equipment abrasion and the composition allows for a tailorable refractive index of 1.44 to 1.51 for improved clarity in a variety of films.

Benefits

- Low oil absorption for high masterbatch loadings
- High optical clarity with tailorable refractive index
- Low abrasion on masterbatch extruding equipment

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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Applied Technology
Evonik Operations GmbH
Business Line Silica
Rodenbacher Chaussee 4
63457 Hanau-Wolfgang
Germany
PHONE +49 6181 59-3536
FAX +49 6181 59-4096
ask-si@evonik.com
www.silica-specialist.com

**Europe/ Middle-East/
Africa/ Latin America**
Evonik Operations GmbH
Business Line Silica
Rodenbacher Chaussee 4
63457 Hanau-Wolfgang
Germany
PHONE +49 6181 59-8118
FAX +49 6181 59-78118
ask-si@evonik.com
www.silica-specialist.com

North America
Evonik Corporation
Business Line Silica
299 Jefferson Road
Parsippany, NJ 07054-0677
USA
PHONE +1 800 233-8052
FAX +1 973 929-8502
ask-si@evonik.com
www.silica-specialist.com

Asia-Pacific
Evonik (SEA) Pte. Ltd.
Business Line Silica
3 International Business Park
#07-18, Nordic European Centre
Singapore 609927
PHONE +65 6 809 6877
FAX +65 6 809 6677
ask-si-asia@evonik.com
www.silica-specialist.com