

# SPHERILEX® DP-0115

## Silicon Dioxide

### Characteristic physico-chemical data\*

Properties and test methods	Unit	Value
Median particle size	µm	13.5
Particle Size d95	µm	25
Specific Gravity	g/cc	2.2
Linseed Oil Absorption	ml/100g	40
BET Surface Area	m <sup>2</sup> /g	< 15
Sodium Sulfate Content	%	< 1
pH	5 %	7.5
Refractive Index		1.46

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

### Certifications and Classifications

#### SPHERILEX® DP-0115

CAS-No.	112926-00-8
<ul style="list-style-type: none"> <li>Quality excellence achieved through GMPs and ISO:9001 certifications</li> </ul>	

SPHERILEX® DP-0115 synthetic amorphous Silicon Dioxide has a unique spherical particle shape that allows for outstanding burnish and abrasion resistance as very well as very low binder demand. SPHERILEX® DP-0115 Silicon Dioxide has the largest particle size within the SPHERILEX® Silicon Dioxide family, which benefits both abrasion resistance and matting efficiency. The uniquely narrow particle size distribution and absence of oversized particles allows larger particle size of SPHERILEX® DP-0115 Silicon Dioxide to be used even in systems with particle size limitations, while providing a smooth pleasing feel to the coating film.

### Benefits

- Maximum burnish and abrasion resistance
- Outstanding scrub resistance
- Large particle size for enhanced matting
- 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](mailto: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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