

# SPHERILEX® 60 AB

## Characteristic physico-chemical data\*

Properties and test methods	Unit	Value
Particle size, d50 Laser diffraction following ISO 13320	µm	5.7
Dynamic Void Volume (DVV) @ 10 MPa Internal method	cc/100g	70
Loss on drying 2 h at 105°C following ISO 787-2	%	< 2
Specific surface area (N <sub>2</sub> ) Multipoint following ISO 9277	m <sup>2</sup> /g	100
Linseed oil absorption following ISO 787-5	ml/100g	80
pH value 5 % in water following ISO 787-9	-	7.5
Sieve residue >25µm Mocker following ISO 787-18	ppm	< 100
SiO <sub>2</sub> content following ISO 3262-19	%	≥ 97
ISO brightness following ISO 2470	%	> 95

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

## Certifications and Classifications

### SPHERILEX® 60 AB

CAS-No.	112926-00-8 resp. 7631-86-9
* Quality excellence achieved through GMPs and ISO 9001 certifications	

SPHERILEX® 60 AB is a specialty precipitated silica, which has attractive properties for antiblocking application of polymer films. As shown in antiblocking testing, its spherical particle morphology and uniform particle size distribution provides optimal clarity and antiblocking efficiency in plastic films. Based on its low absorptivity it performs also excellent in combination with slip agents. High masterbatch loadings are possible due to its easy incorporation and dispersion during thermoplastic compounding process.

## Benefits

SPHERILEX® 60 AB is used as antiblocking agent in blown and cast film produced from polyolefins and polyesters.

Main benefits are:

- Low Coefficient of Friction (CoF)
- High transparency of films
- Low absorption of other polymer additives
- Good dispersibility and high masterbatch loading
- Low abrasion of processing 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](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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