

Product Information

SPHERILEX® 30 AB

CAS NUMBER

112926-00-8 / 7631-86-9

PRODUCT DESCRIPTION

SPHERILEX® 30 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.

Characteristic physico-chemical data

The given data are typical values. Specifications upon request.

Properties	Test method	Unit	Value
Particle size, d50, Laser diffraction	following ISO 13320-1	µm	4.0
Dynamic void volume (DVV)	Internal method	cc/100g	70
Loss on drying, 2 h at 105°C	following ISO 787-2	%	< 2
Specific surface area	Multipoint following ISO 9277	m ² /g	100
Linseed oil absorption		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 ₂ content	following ISO 3262-19	%	≥ 97
ISO brightness	following ISO 2470	%	> 95

TYPICAL APPLICATIONS

Typical applications: plastics

BENEFITS & ADVANTAGES

- Low Coefficient of Friction (CoF)
- Outstanding transparency of films
- Low absorption of other polymer additives
- Excellent dispersibility and high masterbatch loading
- Low abrasion of processing equipment

SHELF LIFE

2 years

Certifications and Classifications

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* Quality excellence achieved through GMPs and ISO 9001 certifications

Disclaimer

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