

New antiblocking agents for high clarity polymer films

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- **SPHERILEX® 60 AB** was developed for blown and cast film produced from polyolefins and polyesters.
- **SPHERILEX® 30 AB** is specially designed for very thin films such as biaxially oriented film applications.

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Evonik has introduced two new grades of precipitated silica for use as antiblocking agents: SPHERILEX® 60 AB and SPHERILEX® 30 AB.

Antiblocking agents are essential additives in the production of plastic films. These additives help facilitate film winding operations and improve the handling properties of films during subsequent processing.

Both SPHERILEX® grades are produced using a new, patented manufacturing process that simultaneously allows spherical particle shape, controlled particle size, and narrow particle size distribution to be achieved. SPHERILEX® 60 AB was developed for standard films based on PE and PP, whereas SPHERILEX® 30 AB is specially designed for very thin films such as biaxially oriented films.

This combination of product properties mentioned above enables the application as a highly efficient antiblocking agent in blown and cast films including polyethylene (PE), polypropylene (PP), polyethylene terephthalate (PET), and polyamide (PA).

Evonik is one of the world's leading manufacturers of silica. In addition to the fumed silica AEROSIL® and the precipitated silica ULTRASIL®, SIPERNAT®, ZEODENT® and SPHERILEX®, Evonik also produces silica-based matting agents under the brand name ACEMATT® and other fumed metal oxides under the brand AEROXIDE®. Overall, Evonik has a global production capacity for all silica based products of about 1 million metric tons per year.

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Company information

Evonik is one of the world leaders in specialty chemicals. The focus on more specialty businesses, customer-oriented innovative prowess and a trustful and performance-oriented corporate culture form the heart of Evonik's corporate strategy. They are the lever for profitable growth and a sustained increase in the value of the company. Evonik benefits specifically from its customer proximity and leading market positions. Evonik is active in over 100 countries around the world. In fiscal 2018, the enterprise with more than 32,000 employees generated sales of €13.3 billion and an operating profit (adjusted EBITDA) of €2.15 billion from continuing operations.

About Resource Efficiency

The Resource Efficiency segment is led by Evonik Resource Efficiency GmbH and produces high performance materials and specialty additives for environmentally friendly as well as energy-efficient systems to the automotive, paints & coatings, adhesives, construction, and many other industries. This segment employed about 10,000 employees, and generated sales of around €5.5 billion in 2018 from continuing operations.

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