

For Clear Visibility and High Resistance

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Technical Information Describes New AEROSIL® Products for the Silicone Industry

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Evonik Industries is publishing a new brochure to coincide with the recent launch of the new products AEROSIL® 200 SP and AEROSIL® 300 SP. Technical Information (TI) 1349 describes the improved properties of structure-modified AEROSIL® and its application in the silicone industry. "Close collaboration with our customers is a top priority," says Frank Lelek, Vice President, Silicone Rubber Industry, "so a continuing exchange of information is an absolute must. The technical bulletin includes application areas, technical information, and service concepts, so that customers can quickly identify the applications in which they could optimally use the new SP grades."

User-oriented presentation on four pages

The Technical Information focuses on the new products AEROSIL® 200 SP and AEROSIL 300® SP, which are distinguished by improved application properties. They impart higher tensile strength to LSR/LIMS and HTV silicone rubber and improved transparency in finished products where they have been used as reinforcing additives. This is advantageous in medical technology, the food industry and in the production of sports accessories. Examples of use include pacifiers, nipples for feeding bottles and diving goggles where clear vision is particularly important for the customer. The new generation of SP grades has other impressive properties as is shown in the technical information with the help of micrographs and graphics. Among the advantages for silicone industry users is the ability to process at lower temperatures than were previously possible. This saves energy during the production process which is an important plus at a time when energy costs are moving inexorably upward. The time required for compounding is also reduced resulting in further cost savings. Other benefits are thermal resistance is higher and mechanical and rheological properties are also improved. Another benefit of the new SP-Grades is the reduction of crepe hardening during storage of the compound. The properties of the new and improved structure modified AEROSIL® products significantly simplifies downstream processing of the silicone compound.

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Company information

Evonik Industries is the creative industrial group from Germany which operates in three business areas: Chemicals, Energy and Real Estate. Evonik is a global leader in specialty chemicals, an expert in power generation from hard coal and renewable energies, and one of the largest private residential real estate companies in Germany. Our strengths are creativity, specialization, continuous self-renewal, and reliability. Evonik is active in over 100 countries around the world. In its fiscal year 2007 about 43,000 employees generated sales of about €14.4 billion and an operating profit (EBITDA) of more than €2.2 billion.

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