

Three Products Obtained the Largest Share of the Global Market for Five Successive Years: Anisotropic Conductive Film, Anti-reflection Film Produced Using Sputtering Technology, and Optical Elastic Resin

Dexerials Corporation (Headquarters: Shimotsuke-shi, Tochigi; Representative Director and President: Yoshihisa Shinya; hereinafter, Dexerials) announces that three of its products have obtained the largest shares of their global markets. According to the “Current Status and Future Outlook for Display-related Markets 2024” market research report issued by Fuji Chimera Research Institute, Inc. (Headquarters: Chuo-ku, Tokyo; Representative Director and President: Kazushi Tanaka) in July 2024, three products manufactured and sold by Dexerials—Anisotropic Conductive Film (ACF), Anti-reflection film produced using sputtering technology*¹, and Optical elastic resin (SVR)*²—have obtained the largest shares in their respective global markets*³ for the fifth consecutive year since 2019.

Dexerials began operations in 2012*⁴. Since then, it has supported the evolution of technology by developing products that anticipate social and technological changes. Dexerials develops, manufactures, and sells electronic parts, adhesive material, and functional materials, including optical materials, conducting its business at eight domestic (including subsidiaries) and 12 overseas manufacturing and sales bases. A management strategy was announced in the new five-year mid-term management plan*⁵ in May 2024.

Anisotropic Conductive Film (ACF) is one of our main products, used in many products, such as laptop computers, smartphones, and automotive displays. In particular, smartphone displays are undergoing an accelerating shift from LCD to flexible OLED. Particle-arrayed Anisotropic Conductive Film (ACF), in which conductive particles are arranged in arrays in intended positions using a proprietary technology, realizes high connective reliability and has become the de facto standard for flexible OLED displays that require even finer connections. To meet the increasing demand, the expansion of the second plant at Kanuma Plant will be completed in 2026, which is expected to increase its production capacity to 2.5 times the current level.

With regard to Anti-reflection film, automotive displays are becoming larger in size and demand is increasing even more. In March 2023, the dedicated AS Lab., where automotive products can be trialed and designed, was created at Tochigi Technology Center to accommodate various customer requests and product development. Moreover, a new dedicated automotive Anti-reflection film manufacturing line began operating in April 2024 to respond to the expansion of market demand.

Dexerials’ Optical elastic resin (SVR), which is a liquid adhesive for lamination within displays, is highly visible and a product for easy use in customer work as well. The Optical Solution Center for the latest in in-vehicle displays was established jointly with German SemsoTec Group in 2023*⁶. At this center, customers can now design, prototype, and consider the latest automotive displays using our optical elastic resin (SVR) without having to make any capital investments in their own facilities.

Going forward, Dexerials aims to contribute to the realization of a sustainable society, achieve sustainable growth, and increase corporate value by providing high-value-added products, technologies, and solutions that are essential for the evolution of digital technologies that support the resolution of social issues, while adhering to its corporate philosophy of “Integrity,” even in a changing society and environment.

*1: A membrane formation technology. The technology squirts argon gas onto a sputtering target in a vacuum so the propelled atoms and molecules adhere to the base material for lamination. It is also used in the manufacturing of semiconductors, etc.

*2: Optical Clear Resin. A collective name for transparent liquid adhesives used to laminate the insides of displays.

*3: Market value share in 2023

*4: In 2012, Sony Chemical & Information Device Corporation changed its company name to Dexerials Corporation and started operating under the new name.

*5: Formulation of Mid-Term Management Plan 2028 “Achieving Evolution” and the Purpose

*6: Establishment of an Optical Solution Center for Next-generation In-Vehicle HMIs with SemsoTec Group in Cham, Germany

■Market Overview Including Market Shares

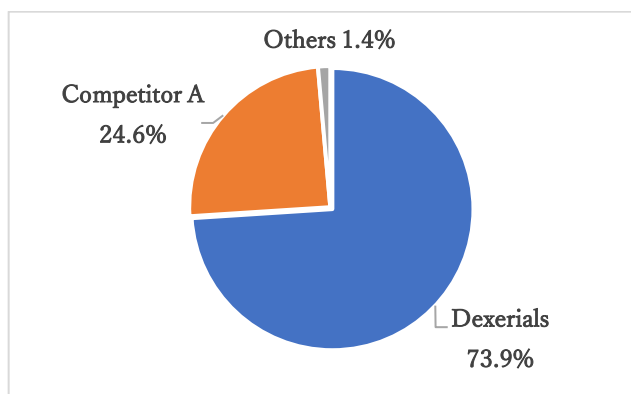
The sales revenue-based market shares of the Anisotropic Conductive Film (ACF), Anti-reflection film produced using sputtering technology, and Optical elastic resin (SVR) in 2023 are as follows:

1. About Anisotropic Conductive Film (ACF)

Market category in the survey report: ACF

(Total ACFs for larger, medium and smaller sizes.)

Our share of the global market: 73.9%



Excerpt from Fuji Chimera Research Institute's market research report

- Anisotropic Conductive Film (ACF):

Film type adhesive material that is essential for bonding IC chips and other electronic parts on circuit boards to form a circuit. It has conductive particles dispersed in a thermosetting resin, fulfills the three functions of adhesion, connection, and insulation when applied using heat and pressure, and is capable of being a connector for the opposed terminal while insulating adjacent terminals from one another.

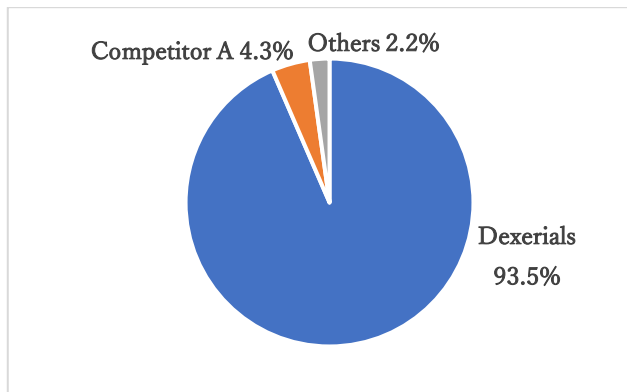
Dexerials' Anisotropic Conductive Film (ACF) is commonly used in mounting IC chips for displays and camera or sensor modules.

2. About Anti-reflection film produced using sputtering technology

Market category in the survey report: Surface treatment film (dry coat)

Our share of the global market: 93.5%





Excerpt from Fuji Chimera Research Institute's market research report

- Anti-reflection film produced using sputtering technology:

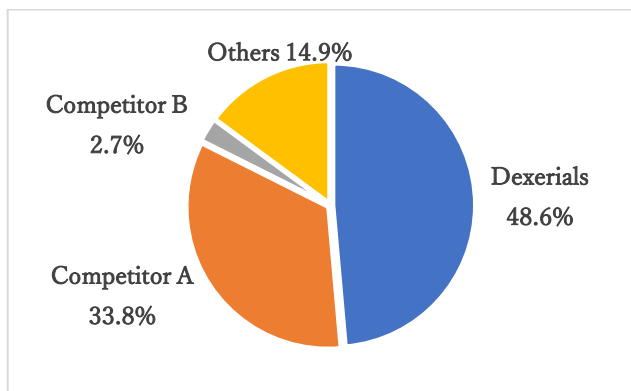
When attached to the top surface of a display, the film reduces the reflectance of light to realize a beautiful, high visibility display. Using sputtering technology, the film forms an anti-reflection layer of metal oxide film to achieve high durability and superior anti-reflection performance.

Dexerials has established a system for efficiently producing rolls of film-type products while ensuring product quality, by adopting a proprietary roll-to-roll puttering system. Our Anti-reflection film is widely used for automotive displays, laptops, etc.

3. About optical elastic resin (SVR)

Market category in the survey report: OCR

Our share of the global market: 48.6%



Excerpt from Fuji Chimera Research Institute's market research report

- Optical elastic resin (SVR):

A liquid adhesive to fill air gap with display panel indication area and a top plate. Since it has optical characteristics similar to glass, it can minimize the reflectance of outside lights on the boundary face of the top plate and the dispersion of internal light to improve the visibility of the display. Our optical elastic resin (SVR) is widely used in the displays of smartphones, tablet PCs, and automobiles.

<Corporate Profile>

Dexerials develops, manufactures and distributes electronic components, junction materials, optical materials and other functional materials that are indispensable in smartphones, laptops and other electronic devices, in addition to components for automobiles, which are increasingly becoming electronic, making electronics parts ever more indispensable. Also, as a starting point in contributing toward the realization of further growth and a sustainable society, the Company has defined its Purpose: “Empower Evolution. Connect People and Technology,” as explained in the website section. ([Corporate Philosophy, Vision and Purpose](#) | [About Dexerials](#) | [Dexerials](#))

Company name: Dexerials Corporation

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Representative: Yoshihisa Shinya, Representative Director and President

Established: June 20, 2012

Official website: <https://www.dexerials.jp/en/>