

Europe Organic Electronics Market By Material (Semiconductor, Conductive and Dielectric & Substrate), By Application (Display, Lighting, Battery, Conductive Ink and Others), By Country, Industry Analysis and Forecast, 2020 - 2026

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Abstracts

The Europe Organic Electronics Market would witness market growth of 22.1% CAGR during the forecast period (2020-2026).

Organic electronics are different from conventional inorganic semiconductors. Organic electronic materials are constructed using organic carbon-based polymers that use artificial technology advanced in the framework of organic & polymer chemistry. Organic electronics use different materials like conductive material, semiconductor material, and dielectric & substrate material for construction. Additionally, they are used in numerous applications like that of conductive ink, displays, lighting, battery, and others,

The rise in demand for the adoption of technologies that can support sustainable development is resulting in the rise in demand for numerous applications, and therefore the demand for organic electronics in modern technologies is the main factor that is boosting the organic electronic market growth. However, the efficiency of organic electronics gets degraded after a period and thereby the technical in-compatibility is impeding the growth of the organic electronic market. Though, the rise in R&D activities for several applications is anticipated to produce opportunities in the organic electronic market.

The key element is the semiconducting, and conjugated organic materials that can be processed into different devices so it allows low-cost fabrication, and large area. Furthermore, many organic semiconductors are mechanically more flexible, and

consequently, they apply to flexible electronic elements. The bulk fabrication of the devices happens by high-speed and low-priced methods that require lower temperatures and it is appreciated by well-known constant in-line roll-to-roll technologies, like rotary screen-printing inkjet, offset, and others, which are modified to the precise requirements of the organic materials. Because of low-cost processing and one-way applications of electronic elements are attainable like that of sensors and radio-frequency identification (RFID) tags in which FETs play the main role.

Based on Material, the market is segmented into Semiconductor, Conductive and Dielectric & Substrate. Based on Application, the market is segmented into Display, Lighting, Battery, Conductive Ink and Others. Based on countries, the market is segmented into Germany, UK, France, Russia, Spain, Italy, and Rest of Europe.

The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include Koninklijke Philips N.V., Sony Corporation, Sumitomo Corporation, Heliatek GmbH, AU Optronics Corporation, Covestro AG, Evonik Industries AG (RAG-Stiftung), BASF SE, AGC, Inc., and H. C. Starck, Inc. (H.C. Starck GmbH).

Scope of the Study

Market Segmentation:

By Material

Semiconductor

Conductive

Dielectric & Substrate

By Application

Display

Lighting

Battery

Conductive Ink

Others

By Country

Germany

UK

France

Russia

Spain

Italy

Rest of Europe

Companies Profiled

Koninklijke Philips N.V.

Sony Corporation

Sumitomo Corporation

Heliatek GmbH

AU Optronics Corporation

Covestro AG

Evonik Industries AG (RAG-Stiftung)

BASF SE

AGC, Inc.

H. C. Starck, Inc. (H.C. Starck GmbH)

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