

LAMEA 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 Latin America, Middle East and Africa Organic Electronics Market would witness market growth of 24.2% CAGR during the forecast period (2020-2026).

Organic semiconductors are usually non-metallic material that can offer semiconducting properties. These semiconductors materials have numerous advantages compared to that of inorganic semiconductors such as lightweight, mechanical flexibility, and low cost; thus, it offers the opportunity to advance the devices by the use of low-cost fabrication techniques. Increase in awareness among people for sustainable development and about the advantages of these materials as organic semiconductors are recyclable; therefore, they are increasingly preferred, thus, growing the demand for organic electronics in the market. The dielectric material generates opportunities for numerous applications in consumer electronics, medical, automotive, digital signage, and security.

Organic electronics are found to have applications in basic academic research to the industrial area and they are expected to grow in the market. This market covers special applications in the fields of field-effect transistors (FETs), light-emitting diodes (LEDs), and solar cells that will open the frame for a new type of technologies. 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 Brazil, Argentina, UAE, Saudi Arabia, South Africa, Nigeria, and Rest of LAMEA.

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

Brazil

Argentina

UAE

Saudi Arabia

South Africa

Nigeria

Rest of LAMEA

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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