

Asia Pacific 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

<https://marketpublishers.com/r/A90193B8C3C4EN.html>

Date: September 2020

Pages: 72

Price: US\$ 1,500.00 (Single User License)

ID: A90193B8C3C4EN

Abstracts

The Asia Pacific Organic Electronics Market would witness market growth of 22.7% CAGR during the forecast period (2020-2026).

Organic electronics has profited from the development of novel nanocomposite and hybrid materials. These materials will result in decreasing the cost of imminent generations of flexible electronics and offer a numerous of properties to improve the performance of current organic electronic devices, and complement value to them, as well as offer a basis for the manufacture in the future innovative electronic technologies. The creation of nanocomposite and hybrid systems has proven to have a positive effect on improving the prior generation of organic semiconductor devices, however it has to face many hurdles, so they need to be overcome before the hybrid-nanocomposite systems show performances resembling their conventional solid-state inorganic foil devices.

Organic electronics is the branch of contemporary electronics, and it deals with the manufacturing of organic materials, such as polymers and small molecules. The materials are used in this type of technology are mainly carbon-based same as the molecules present in living things. When the properties of organic materials are considered, we may not usually feel that these are electrical conductors. Organic materials are supposed to be outstanding insulators for a variety of technological applications. Research of organic electronics has flourished and expanded from the past few years due to its promise to reassure the development of products that can

counterpart silicon-based applications with new functionalities that are not able to be addressed by silicon technologies. Plastic electronics may replace silicon when it became economically realistic, in applications that function under uncertain performance requirements.

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 China, Japan, India, South Korea, Singapore, Taiwans, and Rest of Asia Pacific.

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

China

Japan

India

South Korea

Singapore

Taiwan

Rest of Asia Pacific

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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Contents

CHAPTER 1. MARKET SCOPE & METHODOLOGY

- 1.1 Market Definition
- 1.2 Objectives
- 1.3 Market Scope
- 1.4 Segmentation
 - 1.4.1 Asia Pacific Organic Electronics Market, by Material
 - 1.4.2 Asia Pacific Organic Electronics Market, by Application
 - 1.4.3 Asia Pacific Organic Electronics Market, by Country
- 1.5 Methodology for the research

CHAPTER 2. MARKET OVERVIEW

- 2.1 Introduction
 - 2.1.1 Overview
 - 2.1.2 Market Composition and Scenario
- 2.2 Key Factors Impacting the Market
 - 2.2.1 Market Drivers
 - 2.2.2 Market Restraints

CHAPTER 3. ASIA PACIFIC ORGANIC ELECTRONICS MARKET BY MATERIAL

- 3.1 Asia Pacific Semiconductor Organic Electronics Market by Country
- 3.2 Asia Pacific Conductive Organic Electronics Market by Country
- 3.3 Asia Pacific Dielectric & Substrate Organic Electronics Market by Country

CHAPTER 4. ASIA PACIFIC ORGANIC ELECTRONICS MARKET BY APPLICATION

- 4.1 Asia Pacific Display Organic Electronics Market by Country
- 4.2 Asia Pacific Lighting Organic Electronics Market by Country
- 4.3 Asia Pacific Battery Organic Electronics Market by Country
- 4.4 Asia Pacific Conductive Ink Organic Electronics Market by Country
- 4.5 Asia Pacific Others Organic Electronics Market by Country

CHAPTER 5. ASIA PACIFIC ORGANIC ELECTRONICS MARKET BY COUNTRY

- 5.1 China Organic Electronics Market

- 5.1.1 China Organic Electronics Market by Material
- 5.1.2 China Organic Electronics Market by Application
- 5.2 Japan Organic Electronics Market
 - 5.2.1 Japan Organic Electronics Market by Material
 - 5.2.2 Japan Organic Electronics Market by Application
- 5.3 Taiwan Organic Electronics Market
 - 5.3.1 Taiwan Organic Electronics Market by Material
 - 5.3.2 Taiwan Organic Electronics Market by Application
- 5.4 India Organic Electronics Market
 - 5.4.1 India Organic Electronics Market by Material
 - 5.4.2 India Organic Electronics Market by Application
- 5.5 South Korea Organic Electronics Market
 - 5.5.1 South Korea Organic Electronics Market by Material
 - 5.5.2 South Korea Organic Electronics Market by Application
- 5.6 Singapore Organic Electronics Market
 - 5.6.1 Singapore Organic Electronics Market by Material
 - 5.6.2 Singapore Organic Electronics Market by Application
- 5.7 Rest of Asia Pacific Organic Electronics Market
 - 5.7.1 Rest of Asia Pacific Organic Electronics Market by Material
 - 5.7.2 Rest of Asia Pacific Organic Electronics Market by Application

CHAPTER 6. COMPANY PROFILES

- 6.1 Koninklijke Philips N.V.
 - 6.1.1 Company Overview
 - 6.1.2 Financial Analysis
 - 6.1.3 Segmental and Regional Analysis
 - 6.1.4 Research & Development Expenses
- 6.2 Sony Corporation
 - 6.2.1 Company Overview
 - 6.2.2 Financial Analysis
 - 6.2.3 Segmental and Regional Analysis
 - 6.2.4 Research and Development Expense
- 6.3 Sumitomo Corporation
 - 6.3.1 Company Overview
 - 6.3.2 Financial Analysis
 - 6.3.3 Segmental and Regional Analysis
- 6.4 Heliatek GmbH
 - 6.4.1 Company Overview

6.5 AU Optronics Corporation

6.5.1 Company Overview

6.5.2 Financial Analysis

6.5.3 Segmental and Regional Analysis

6.5.4 Research & Development Expense

6.6 Covestro AG

6.6.1 Company Overview

6.6.2 Financial Analysis

6.6.3 Segmental and Regional Analysis

6.6.4 Research & Development Expense

6.7 Evonik Industries AG (RAG-Stiftung)

6.7.1 Company Overview

6.7.2 Financial Analysis

6.7.3 Segmental and Regional Analysis

6.7.4 Research & Development Expense

6.7.5 Recent strategies and developments:

6.7.5.1 Partnerships, Collaborations, and Agreements:

6.8 BASF SE

6.8.1 Company Overview

6.8.2 Financial Analysis

6.8.3 Segmental and Regional Analysis

6.8.4 Research & Development Expense

6.9 AGC, Inc.

6.9.1 Company Overview

6.9.2 Financial Analysis

6.9.3 Segmental Analysis

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

6.10.1 Company Overview

List Of Tables

LIST OF TABLES

TABLE 1 ASIA PACIFIC ORGANIC ELECTRONICS MARKET, 2016 - 2019, USD MILLION

TABLE 2 ASIA PACIFIC ORGANIC ELECTRONICS MARKET, 2020 - 2026, USD MILLION

TABLE 3 ASIA PACIFIC ORGANIC ELECTRONICS MARKET BY MATERIAL, 2016 - 2019, USD MILLION

TABLE 4 ASIA PACIFIC ORGANIC ELECTRONICS MARKET BY MATERIAL, 2020 - 2026, USD MILLION

TABLE 5 ASIA PACIFIC SEMICONDUCTOR ORGANIC ELECTRONICS MARKET BY COUNTRY, 2016 - 2019, USD MILLION

TABLE 6 ASIA PACIFIC SEMICONDUCTOR ORGANIC ELECTRONICS MARKET BY COUNTRY, 2020 - 2026, USD MILLION

TABLE 7 ASIA PACIFIC CONDUCTIVE ORGANIC ELECTRONICS MARKET BY COUNTRY, 2016 - 2019, USD MILLION

TABLE 8 ASIA PACIFIC CONDUCTIVE ORGANIC ELECTRONICS MARKET BY COUNTRY, 2020 - 2026, USD MILLION

TABLE 9 ASIA PACIFIC DIELECTRIC & SUBSTRATE ORGANIC ELECTRONICS MARKET BY COUNTRY, 2016 - 2019, USD MILLION

TABLE 10 ASIA PACIFIC DIELECTRIC & SUBSTRATE ORGANIC ELECTRONICS MARKET BY COUNTRY, 2020 - 2026, USD MILLION

TABLE 11 ASIA PACIFIC ORGANIC ELECTRONICS MARKET BY APPLICATION, 2016 - 2019, USD MILLION

TABLE 12 ASIA PACIFIC ORGANIC ELECTRONICS MARKET BY APPLICATION, 2020 - 2026, USD MILLION

TABLE 13 ASIA PACIFIC DISPLAY ORGANIC ELECTRONICS MARKET BY COUNTRY, 2016 - 2019, USD MILLION

TABLE 14 ASIA PACIFIC DISPLAY ORGANIC ELECTRONICS MARKET BY COUNTRY, 2020 - 2026, USD MILLION

TABLE 15 ASIA PACIFIC LIGHTING ORGANIC ELECTRONICS MARKET BY COUNTRY, 2016 - 2019, USD MILLION

TABLE 16 ASIA PACIFIC LIGHTING ORGANIC ELECTRONICS MARKET BY COUNTRY, 2020 - 2026, USD MILLION

TABLE 17 ASIA PACIFIC BATTERY ORGANIC ELECTRONICS MARKET BY COUNTRY, 2016 - 2019, USD MILLION

TABLE 18 ASIA PACIFIC BATTERY ORGANIC ELECTRONICS MARKET BY

COUNTRY, 2020 - 2026, USD MILLION

TABLE 19 ASIA PACIFIC CONDUCTIVE INK ORGANIC ELECTRONICS MARKET BY COUNTRY, 2016 - 2019, USD MILLION

TABLE 20 ASIA PACIFIC CONDUCTIVE INK ORGANIC ELECTRONICS MARKET BY COUNTRY, 2020 - 2026, USD MILLION

TABLE 21 ASIA PACIFIC OTHERS ORGANIC ELECTRONICS MARKET BY COUNTRY, 2016 - 2019, USD MILLION

TABLE 22 ASIA PACIFIC OTHERS ORGANIC ELECTRONICS MARKET BY COUNTRY, 2020 - 2026, USD MILLION

TABLE 23 ASIA PACIFIC ORGANIC ELECTRONICS MARKET BY COUNTRY, 2016 - 2019, USD MILLION

TABLE 24 ASIA PACIFIC ORGANIC ELECTRONICS MARKET BY COUNTRY, 2020 - 2026, USD MILLION

TABLE 25 CHINA ORGANIC ELECTRONICS MARKET, 2016 - 2019, USD MILLION

TABLE 26 CHINA ORGANIC ELECTRONICS MARKET, 2020 - 2026, USD MILLION

TABLE 27 CHINA ORGANIC ELECTRONICS MARKET BY MATERIAL, 2016 - 2019, USD MILLION

TABLE 28 CHINA ORGANIC ELECTRONICS MARKET BY MATERIAL, 2020 - 2026, USD MILLION

TABLE 29 CHINA ORGANIC ELECTRONICS MARKET BY APPLICATION, 2016 - 2019, USD MILLION

TABLE 30 CHINA ORGANIC ELECTRONICS MARKET BY APPLICATION, 2020 - 2026, USD MILLION

TABLE 31 JAPAN ORGANIC ELECTRONICS MARKET, 2016 - 2019, USD MILLION

TABLE 32 JAPAN ORGANIC ELECTRONICS MARKET, 2020 - 2026, USD MILLION

TABLE 33 JAPAN ORGANIC ELECTRONICS MARKET BY MATERIAL, 2016 - 2019, USD MILLION

TABLE 34 JAPAN ORGANIC ELECTRONICS MARKET BY MATERIAL, 2020 - 2026, USD MILLION

TABLE 35 JAPAN ORGANIC ELECTRONICS MARKET BY APPLICATION, 2016 - 2019, USD MILLION

TABLE 36 JAPAN ORGANIC ELECTRONICS MARKET BY APPLICATION, 2020 - 2026, USD MILLION

TABLE 37 TAIWAN ORGANIC ELECTRONICS MARKET, 2016 - 2019, USD MILLION

TABLE 38 TAIWAN ORGANIC ELECTRONICS MARKET, 2020 - 2026, USD MILLION

TABLE 39 TAIWAN ORGANIC ELECTRONICS MARKET BY MATERIAL, 2016 - 2019, USD MILLION

TABLE 40 TAIWAN ORGANIC ELECTRONICS MARKET BY MATERIAL, 2020 - 2026, USD MILLION

TABLE 41 TAIWAN ORGANIC ELECTRONICS MARKET BY APPLICATION, 2016 - 2019, USD MILLION

TABLE 42 TAIWAN ORGANIC ELECTRONICS MARKET BY APPLICATION, 2020 - 2026, USD MILLION

TABLE 43 INDIA ORGANIC ELECTRONICS MARKET, 2016 - 2019, USD MILLION

TABLE 44 INDIA ORGANIC ELECTRONICS MARKET, 2020 - 2026, USD MILLION

TABLE 45 INDIA ORGANIC ELECTRONICS MARKET BY MATERIAL, 2016 - 2019, USD MILLION

TABLE 46 INDIA ORGANIC ELECTRONICS MARKET BY MATERIAL, 2020 - 2026, USD MILLION

TABLE 47 INDIA ORGANIC ELECTRONICS MARKET BY APPLICATION, 2016 - 2019, USD MILLION

TABLE 48 INDIA ORGANIC ELECTRONICS MARKET BY APPLICATION, 2020 - 2026, USD MILLION

TABLE 49 SOUTH KOREA ORGANIC ELECTRONICS MARKET, 2016 - 2019, USD MILLION

TABLE 50 SOUTH KOREA ORGANIC ELECTRONICS MARKET, 2020 - 2026, USD MILLION

TABLE 51 SOUTH KOREA ORGANIC ELECTRONICS MARKET BY MATERIAL, 2016 - 2019, USD MILLION

TABLE 52 SOUTH KOREA ORGANIC ELECTRONICS MARKET BY MATERIAL, 2020 - 2026, USD MILLION

TABLE 53 SOUTH KOREA ORGANIC ELECTRONICS MARKET BY APPLICATION, 2016 - 2019, USD MILLION

TABLE 54 SOUTH KOREA ORGANIC ELECTRONICS MARKET BY APPLICATION, 2020 - 2026, USD MILLION

TABLE 55 SINGAPORE ORGANIC ELECTRONICS MARKET, 2016 - 2019, USD MILLION

TABLE 56 SINGAPORE ORGANIC ELECTRONICS MARKET, 2020 - 2026, USD MILLION

TABLE 57 SINGAPORE ORGANIC ELECTRONICS MARKET BY MATERIAL, 2016 - 2019, USD MILLION

TABLE 58 SINGAPORE ORGANIC ELECTRONICS MARKET BY MATERIAL, 2020 - 2026, USD MILLION

TABLE 59 SINGAPORE ORGANIC ELECTRONICS MARKET BY APPLICATION, 2016 - 2019, USD MILLION

TABLE 60 SINGAPORE ORGANIC ELECTRONICS MARKET BY APPLICATION, 2020 - 2026, USD MILLION

TABLE 61 REST OF ASIA PACIFIC ORGANIC ELECTRONICS MARKET, 2016 - 2019,

USD MILLION

TABLE 62 REST OF ASIA PACIFIC ORGANIC ELECTRONICS MARKET, 2020 - 2026,
USD MILLION

TABLE 63 REST OF ASIA PACIFIC ORGANIC ELECTRONICS MARKET BY
MATERIAL, 2016 - 2019, USD MILLION

TABLE 64 REST OF ASIA PACIFIC ORGANIC ELECTRONICS MARKET BY
MATERIAL, 2020 - 2026, USD MILLION

TABLE 65 REST OF ASIA PACIFIC ORGANIC ELECTRONICS MARKET BY
APPLICATION, 2016 - 2019, USD MILLION

TABLE 66 REST OF ASIA PACIFIC ORGANIC ELECTRONICS MARKET BY
APPLICATION, 2020 - 2026, USD MILLION

TABLE 67 KEY INFORMATION – KONINKLIJKE PHILIPS N.V.

TABLE 68 KEY INFORMATION – SONY CORPORATION

TABLE 69 KEY INFORMATION – SUMITOMO CORPORATION

TABLE 70 KEY INFORMATION – HELIATEK GMBH

TABLE 71 KEY INFORMATION – AU OPTRONICS CORPORATION

TABLE 72 KEY INFORMATION – COVESTRO AG

TABLE 73 KEY INFORMATION – EVONIK INDUSTRIES AG

TABLE 74 KEY INFORMATION – BASF SE

TABLE 75 KEY INFORMATION – AGC, INC.

TABLE 76 KEY INFORMATION – H.C. STARK, INC.

List Of Figures

LIST OF FIGURES

FIG 1 METHODOLOGY FOR THE RESEARCH

I would like to order

Product name: Asia Pacific 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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