

Advanced Materials for Displays: Technologies and Global Markets

<https://marketpublishers.com/r/A25FCA19E08EN.html>

Date: December 2019

Pages: 138

Price: US\$ 5,500.00 (Single User License)

ID: A25FCA19E08EN

Abstracts

REPORT SCOPE:

The scope of this report encompasses the key materials used in the major types of electronic displays. BCC Research analyzes the various classes of material technologies, identifies the major players, determines the current status of each, examines their impact on future display markets and presents forecasts of growth from 2019 to 2024. Technological issues, including the latest trends, are discussed. Other pertinent factors are reviewed, such as material processing and distribution, the need for special materials and the expanded use of certain displays.

REPORT INCLUDES:

31 data tables and 26 additional tables

A brief general outlook of the global markets for advanced materials used in electronic displays

Analyses of global market trends with data from 2018, estimates for 2019, and projections of compound annual growth rates (CAGRs) through 2024

Assessment of various classes of materials technologies and comparison of materials based on performance, efficiency, thermal insulation, cost-effectiveness and other pertinent metrics

Coverage of fabrication methods, ongoing research activities, major achievements, technological issues and latest trends related to these devices

Patent analysis covering significant patent allotments, design innovations, fabrication and synthesis methodologies, and sensor and telecommunications applications of advanced display materials

Identification of the companies that are best-positioned to meet this demand because of their proprietary technologies, strategic alliances or other advantages

Company profiles of leading market participants within the industry, including 3M, BASF SE, Dow Corning Corp., Dupont Displays, General Electrics Co. Ltd., LG Display Co. Ltd., Samsung Electronics Co. Ltd. and Universal Display Corp.

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3M CO.
APPLIED VACUUM COATING TECHNOLOGIES CO. LTD.
ASAHI GLASS CO.
AUO OPTRONICS CORP.
BASF SE
BOE TECHNOLOGY GROUP CO. LTD.
CAMBRIDGE DISPLAY TECHNOLOGY LTD.
CORNING INC.
DAI NIPPON PRINTING CO. LTD.
DOW CORNING CORP.
DUPONT DISPLAYS
EASTMAN KODAK CO.
EMAGIN CORP.
FLEXENABLE
FORGE EUROPA LTD.
FUTABA CORP.
GENERAL ELECTRICS CO. LTD.
IDEMITSU KOSAN
INNOLUX CORP.
IRICO GROUP ELECTRONICS CO. LTD.
JAPAN DISPLAY INC.
KENT DISPLAYS
LG DISPLAY CO. LTD.
MERCK KGAA
MICROVISION INC.
NANOSYS INC.
NANOCRYSTALS TECHNOLOGY LTD.
NEC DISPLAY SOLUTIONS LTD.
NIPPON ELECTRIC GLASS CO. LTD.
NITTO DENKO CORP.
NOVALED AG
PLASTIC LOGIC GMBH
PHOSPHOR TECHNOLOGY LTD.
POLYERA CORP.
POLYIC GMBH & CO.
PPG INDUSTRIES
RITDISPLAY CORP.

SAMSUNG ELECTRONICS CO. LTD.
SANRITZ CORP.
SEIKO EPSON CORP.
SCHOTT AG
SHARP CORP.
TEXAS INSTRUMENTS INC.
TOPPAN PRINTING
TORAY INDUSTRIES
UNIDYM
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XINTEK INC.

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Liquid Crystal Materials Research Center
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