

Global Liquid-Crystal Polymer Market Outlook to 2027

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Abstracts

Liquid-crystal polymers (LCPs) are aromatic polymers, which are resistant to fire, unreactive, and inert. LCPs offer high resistance to electricity, heat, and tolerance to acidic environments. These properties allow these LCPs to perform well in harsh environments, making them capable of tolerating extreme heat conditions and resistant to strong chemicals.

According to BlueQuark Research & Consulting, the Global Liquid Crystal Polymer market is expected to witness a considerable growth rate during the forecast period. The major factors responsible for the Global Liquid Crystal Polymer market's growth are increasing demand from the end-user industries such as electrical & electronics, aerospace, automotive, lighting, and medical. Increasing demand for engineering resins to manufacture ultra-thin electrical components is expected to drive the liquid-crystal polymers market. However, the relatively high cost of LCPs is a major constraint of the market.

Asia-Pacific region is projected to be the largest market for Global Liquid Crystal Polymer. The electronics manufacturing industry is continually expanding in the region due to the low cost and increasing demand for electronics products. With the increase in the middle-class population's disposable incomes, electronic products' demand is projected to grow in the near future, thereby driving the Asia-Pacific Liquid Crystal Polymer market.

In terms of segmentation by type, the Global Liquid Crystal Polymer market is dominated by Thermotropic liquid crystal polymer. They are widely used as blend additives and find applications as display materials, information storage materials, and optical couplers. They are also highly compatible with the semiconductors' production process, resulting in their dominant market share.

In terms of segmentation by End-User Industries, Electrical & electronics emerged as the leading application segment with the largest market share in the Liquid Crystal Polymer market. Liquid Crystal Polymer's exceptional combination of properties such as high flow, high-temperature resistance, and high stiffness makes them particularly well suited to the growing trend of miniaturization in the electrical & electronics industry.

The Global Liquid Crystal Polymer market is highly fragmented. Major companies in the market were found to be Solvay SA, Toray International, Celanese Corporation, Mitsubishi Chemicals, Sumitomo Chemical, and Polyplastics Co. Ltd., among others.

Global Liquid Crystal PolymerMarketreport provides deep insight into the Liquid Crystal Polymer market's current and future state across various regions. The study comprehensively analyzes the Liquid Crystal Polymer market by segmenting based on Type (Thermotropic and Lyotropic), End-User Industry (Electrical & Electronics, Aerospace, Healthcare, Automotive, Industrial machinery, and Others), and Geography (North America, Asia-Pacific, South America, Europe, and Middle-East and Africa). The report examines the market drivers and restraints and the impact of Covid-19 on the market growth in detail. The study covers & includes emerging market trends, developments, opportunities, and challenges in the industry. This report also covers extensively researched competitive landscape sections with major companies' profiles, including their market shares and projects.

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- ray SA
- anese Corporation
- ay International
- hitomo Chemical
- one Corporation
- aray Co. Ltd.
- o Fine Chemicals Industry Ltd.

Shanghai PRET Composites Co. Ltd.

Plastics Co. Ltd.

Aray America Inc.

P Co.

us Industrial Products

I Chemicals Co.

msung Fine Chemicals

SF SE

njin Bohai Chemicals.

sol

sui Chemicals

mosa Plastics

Chemical

Companies is not exhaustive

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