

Liquid Crystal Polymers Market with Covid-19 Impact Analysis by Application(Electrical & Electronics, Consumer Goods, Automotive, Lighting, Medical), and Region (APAC, North America, Europe, South America, Middle East & Africa) - Global Forecast to 2026

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Abstracts

The liquid crystal polymers market is projected to reach USD 1.8 billion by 2026, at a CAGR of 8.2% from USD 1.2 billion in 2021. Liquid crystal polymers an exceptional combination of high temperature resistance, high stiffness, and high flow makes them particularly well suited to the growing trend of miniaturization in the electrical & electronics industry and the increasing acceptance in microinjection molding. Applications such as connectors with high pin density have been driving the notable growth in liquid crystal polymers consumption. Several factors directly or indirectly affect the liquid crystal polymers market such as high temperature resistance and excellent mechanical strength, chemical resistance, and high dimensional stability, growth of the electrical & electronics industry, increasing engineering resin substitutes for ultra-thin components, increasing demand for lightweight, high-performance materials from the automotive industry, growth potential in consumer goods and medical application, high manufacturing costs.

“Emergence of new generation technologies such as 5G and 3D printing”

Next generation technologies such as 5G and 3D printing are key drivers in growing demand for liquid crystal polymers. The demand for liquid crystal polymers is growing at a very rapid pace with a multitude of applications, ranging from electrical & electronics and automotive to consumer goods, sports, leisure, and medical devices. Furthermore, increasing application of liquid crystal polymers films in flexible solar cells, owing to its

exceptional heat resistance and low water absorbency are also underpinning gains for the market. Moreover, fast-growing technologies, such as 5G communication and 3D printing hold high stakes of growth for the liquid crystal polymers market. In the emerging 5G communication, liquid crystal polymers are being viewed on a large scale as a novel material with an optimistic outlook for mobile phone antennas.

“Electrical & electronics to hold the largest share in liquid crystal polymers market between 2021 and 2026.”

Electrical & electronics accounted for the largest size of the liquid crystal polymers market, in terms of value in 2020. The market size was estimated to be USD 1,152 million in 2020 and is projected to register a CAGR of 8.2% between 2021 and 2026, in terms of value. Medical application of liquid crystal polymers is projected to witness the highest CAGR of 9.6% between 2021 and 2026. The demand for liquid crystal polymers in medical application is increasing on account of the replacing traditional metals and plastic devices and equipment with high performance materials devices and equipment and the effect of COVID-19 on this segment is less comparatively.

“South America is expected to be the fastest-growing liquid crystal polymers market during the forecast period, in terms of value.”

In terms of value, South America is projected to witness the highest CAGR of 9.5% between 2021 and 2026; however, the largest market for liquid crystal polymers is APAC at a CAGR of 8.6% during the same period. The growth of the liquid crystal polymers market in APAC is due to rapid expansion of the electrical & electronics industry. The increasing domestic demand, coupled with affordable manufacturing facilities, is expected to continue driving the demand for liquid crystal polymers from various applications in APAC. The increasing population and demands, accompanied with initiatives for new technologies and products are projected to make this region an ideal destination for the liquid crystal polymers market to grow. The growing electrical & electronics, automobile, and consumer goods industries are triggering the demand of liquid crystal polymers in the region.

In the process of determining and verifying the market size for several segments and subsegments identified through secondary research, extensive primary interviews were conducted. A breakdown of the profiles of the primary interviewees are as follows:

By Company Type: Tier 1 - 69%, Tier 2 - 23%, and Tier 3 - 8%

By Designation: C-Level - 23%, Director Level - 37%, and Others - 40%

By Region: North America - 32%, Europe - 21%, APAC - 28%, Middle East & Africa - 12%, and South America-7%

The key players in the market are focusing on strategies, such as new product launches, partnerships & agreements, acquisitions, and expansions, to expand their businesses globally. The major players in the Liquid crystal polymers market are and Polyplastics Co., Ltd (Japan), Celanese Corporation (U.S.), Solvay S.A. (Belgium), Toray Industries, Inc. (Japan), and Sumitomo Chemicals Co. Ltd. (Japan).

Research Coverage

This report segments the market for liquid crystal polymers market on the basis of application and region, and provides estimations for the overall value of the market across various regions. A detailed analysis of key industry players has been conducted to provide insights into their business overviews, products & services, key strategies, new product launches, expansions, and mergers & acquisition associated with the market for liquid crystal polymers market.

Reasons to buy this report

This research report is focused on various levels of analysis — industry analysis (industry trends), market ranking analysis of top players, and company profiles, which together provide an overall view on the competitive landscape; emerging and high-growth segments of the liquid crystal polymers market; high-growth regions; and market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on liquid crystal polymers market offered by top players in the global liquid crystal polymers market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the liquid crystal polymers market

Market Development: Comprehensive information about lucrative emerging

markets — the report analyzes the markets for liquid crystal polymers market across regions

Market Diversification: Exhaustive information about new products, untapped regions, and recent developments in the liquid crystal polymers market

Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the liquid crystal polymers market

Impact of COVID-19 on liquid crystal polymers market

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