

Liquid Crystal Materials Market - Global Outlook and Forecast 2022-2028

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Abstracts

Liquid crystals are highly structured liquids with positional (smectic) and orientational (cholesteric, nematic) order of constituent molecules. Small molecule-based and polymer-based liquid crystals are available in the market. Molecule structure of liquid crystals contains rigid π -electrons with flexible long alkyl chains. These materials serve as photo alignment agents, which exhibit enhanced functionality and provide superior adhesion properties to plastic substrate and glass coatings. Liquid crystal materials are available in various solvent-based grades with numerous viscosities & degrees of adhesion.

Rise in demand for high-performance lightweight materials from automotive industry to produce fuel-efficient vehicles and minimize carbon emissions is anticipated to have a positive impact on liquid crystal materials market growth. Moreover, rise in preference for miniaturization of electrical & electronic components such as surface mounting devices and surface mounting technology (SMT) connectors is projected to boost the demand for liquid crystal materials. However, high cost and low welding strength of these materials hinder the market growth. Increase in use of liquid crystal materials in biomedical applications is expected to provide potential opportunities for market expansion.

This report contains market size and forecasts of Liquid Crystal Materials in global, including the following market information:

Global Liquid Crystal Materials Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Liquid Crystal Materials Market Sales, 2017-2022, 2023-2028, (K MT)

Global top five Liquid Crystal Materials companies in 2021 (%)

The global Liquid Crystal Materials market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Cholesteric Liquid Crystals Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Liquid Crystal Materials include DIC Corporation, Jiangsu Hecheng Display Technology Co., Ltd., JNC Corporation, LCR Hallcrest, LLC, Merck Group, Shanghai Jingke Industrial Co., Ltd., Shijiazhuang Chengzhi Yonghua Display Materials Co., Ltd., Sumitomo Chemical Company Limited and Sun Chemical Corporation and etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Liquid Crystal Materials manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Liquid Crystal Materials Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K MT)

Global Liquid Crystal Materials Market Segment Percentages, by Type, 2021 (%)

Cholesteric Liquid Crystals

Discotic Liquid Crystals

Nematic & Smectic Liquid Crystals

Global Liquid Crystal Materials Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K MT)

Global Liquid Crystal Materials Market Segment Percentages, by Application, 2021 (%)

Electrical & Electronics

Automotive

Aerospace

Industrial

Biomedical

Others

Global Liquid Crystal Materials Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (K MT)

Global Liquid Crystal Materials Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Liquid Crystal Materials revenues in global market, 2017-2022
(Estimated), (\$ millions)

Key companies Liquid Crystal Materials revenues share in global market, 2021 (%)

Key companies Liquid Crystal Materials sales in global market, 2017-2022 (Estimated),
(K MT)

Key companies Liquid Crystal Materials sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

DIC Corporation

Jiangsu Hecheng Display Technology Co., Ltd.

JNC Corporation

LCR Hallcrest, LLC

Merck Group

Shanghai Jingke Industrial Co., Ltd.

Shijiazhuang Chengzhi Yonghua Display Materials Co., Ltd.

Sumitomo Chemical Company Limited

Sun Chemical Corporation

TCI Chemicals Pvt. Ltd

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