

Global Chiral Membrane Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Chiral Membrane market size was valued at US\$ 18.54 million in 2025 and is forecast to a readjusted size of US\$ 73.22 million by 2032 with a CAGR of 21.6% during review period.

Chiral membranes refer to membrane-based separation materials with enantioselective recognition capability, typically constructed from polymeric, inorganic, or hybrid matrices functionalized with chiral selectors (e.g., polysaccharide derivatives, cyclodextrins, chiral small molecules, or metal coordination structures), enabling differential transport behavior (e.g., diffusion or solution-diffusion mechanisms) between enantiomers, thereby achieving enantioselective permeation and separation, mainly applied in chiral separation and process intensification systems.

Pricing sits at the higher end of functional membranes (USD 500–2,000/m²), with mixed-matrix and biomimetic membranes commanding premium pricing and gradually dominating value contribution; gross margins are relatively high, with functional polymer membranes at 40–60% and advanced chiral-selective membranes reaching 60–75%; downstream demand is led by pharmaceutical chiral separation, with increasing adoption in continuous manufacturing and process intensification; upstream relies on high-performance polymers, chiral ligands, and MOF/COF materials, while downstream is integrated into fine chemical and pharmaceutical continuous processing systems; the industry remains fragmented without a clear oligopoly, characterized by parallel development from material platform companies and research-driven entities, though stability of enantioselectivity and industrial validation cycles remain key uncertainties; overall, the sector is transitioning from technology introduction to early industrialization, driven by cost reduction and continuous manufacturing, with structural features of

dispersed high-end technologies and application-driven differentiation.

This report is a detailed and comprehensive analysis for global Chiral Membrane market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Chiral Membrane market size and forecasts, in consumption value (\$ Million), sales quantity (Sq m), and average selling prices (US\$/Sq m), 2021-2032

Global Chiral Membrane market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Sq m), and average selling prices (US\$/Sq m), 2021-2032

Global Chiral Membrane market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Sq m), and average selling prices (US\$/Sq m), 2021-2032

Global Chiral Membrane market shares of main players, shipments in revenue (\$ Million), sales quantity (Sq m), and ASP (US\$/Sq m), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Chiral Membrane
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Chiral Membrane market based on the following parameters - company overview, sales quantity, revenue, price, gross margin,

product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Daicel, YMC, Merck KGaA, Thermo Fisher Scientific, Agilent Technologies, Shimadzu, Chiral Technologies, Regis Technologies, Phenomenex, Avantor (VWR), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Chiral Membrane market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

- Solution-Diffusion

- Facilitated Transport

- Molecular Sieving

- Affinity-based

Market segment by Material

- Polymeric Membranes

- Mixed-Matrix Membranes

- Inorganic Membranes

- Biomimetic Membranes

Market segment by Application

Pharmaceutical Chiral Separation

Continuous Manufacturing

Fine Chemicals

Agrochemicals

Process Intensification

Others

Major players covered

Daicel

YMC

Merck KGaA

Thermo Fisher Scientific

Agilent Technologies

Shimadzu

Chiral Technologies

Regis Technologies

Phenomenex

Avantor (VWR)

Sepax Technologies

Dalian Institute of Chemical Physics

Nankai University Chiral Group

Welch Materials

Dikma Technologies

Hanbon Science & Technology

Qingdao Kechuang

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Chiral Membrane product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Chiral Membrane, with price, sales quantity, revenue, and global market share of Chiral Membrane from 2021 to 2026.

Chapter 3, the Chiral Membrane competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Chiral Membrane breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Chiral Membrane market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Chiral Membrane.

Chapter 14 and 15, to describe Chiral Membrane sales channel, distributors, customers, research findings and conclusion.

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