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Global Polyurethane-based Lens Materials 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 Polyurethane-based Lens Materials market size was valued at US$ 320 million in 2025 and is forecast to a readjusted size of US$ 484 million by 2032 with a CAGR of 6.2% during review period.

Polyurethane-based lens materials are advanced optical polymers known for their high transparency, excellent impact resistance, and lightweight nature. They offer outstanding molding flexibility, allowing the production of complex lens geometries with consistent optical quality. These materials also provide good scratch resistance, chemical stability, and the ability to adjust refractive index through formulation, giving designers greater flexibility compared with conventional optical plastics. In 2025, global polyurethane-based lens materials production reached approximately 14.5 kilotons, with an average global market price of around US$ 20 per kg. Global production capacity of polyurethane materials suitable for optical lenses is relatively limited—estimated at approximately 20–40 kilotons per year, far smaller than total polyurethane capacity—while industry gross margins typically range from 25% to 45%, with premium branded or customized lenses achieving higher levels.

The industry chain of polyurethane-based lens materials begins upstream with chemical feedstocks such as isocyanates (e.g., MDI, HDI, IPDI), polyols (polyether or polyester polyols), catalysts, and specialty additives. The midstream involves formulation of optical-grade polyurethane resins and lens manufacturing through casting or reaction injection molding (RIM), followed by precision finishing, hard coating, and functional coatings (anti-scratch, anti-reflective, anti-fog). Downstream applications include high-end ophthalmic lenses, sports optics, safety eyewear, aerospace, and industrial optical components.

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This report is a detailed and comprehensive analysis for global Polyurethane-based Lens Materials 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 Polyurethane-based Lens Materials market size and forecasts, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/kg), 2021-2032

Global Polyurethane-based Lens Materials market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/kg), 2021-2032

Global Polyurethane-based Lens Materials market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/kg), 2021-2032

Global Polyurethane-based Lens Materials market shares of main players, shipments in revenue ($ Million), sales quantity (Kilotons), and ASP (US$/kg), 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 Polyurethane-based Lens Materials
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 Polyurethane-based Lens Materials 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 Mitsui Chemicals, HOYA, PPG Industries, Jiangsu Shike New Materials, etc.

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

Market Segmentation

Polyurethane-based Lens Materials 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

Index:1.60

Index:1.67

Index:1.74

Others

Market segment by Application

Eyeglass Lens

Camera Lens

Others

Major players covered

Mitsui Chemicals

HOYA

PPG Industries

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Jiangsu Shike New Materials

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 Polyurethane-based Lens Materials product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Polyurethane-based Lens Materials, with price, sales quantity, revenue, and global market share of Polyurethane-based Lens Materials from 2021 to 2026.

Chapter 3, the Polyurethane-based Lens Materials competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Polyurethane-based Lens Materials 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 Polyurethane-based Lens Materials 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.

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Chapter 13, the key raw materials and key suppliers, and industry chain of Polyurethane-based Lens Materials.

Chapter 14 and 15, to describe Polyurethane-based Lens Materials sales channel, distributors, customers, research findings and conclusion.

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