

Global Rigid PU Catalyst Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Rigid PU Catalyst market size was valued at US\$ 540 million in 2024 and is forecast to a readjusted size of USD 816 million by 2031 with a CAGR of 6.2% during review period.

Polyurethane foams are produced by the reaction of polyol, polyisocyanate and water in the presence of catalysts and other auxiliary agents.

Catalysts play an important role not only in the control and balance between the gelling and blowing reactions, but also in the optimization of the foam properties and the curing speed during the foam formation. Tertiary amines either alone or in combination with tin octoate are most widely used catalysts in the manufacture of polyurethane foams.

Depending on their chemical structure they speed up the reaction between the hydroxyl and the isocyanate groups, accelerate the blowing reaction between isocyanate and water resulting in formation of CO₂, or when blocked with carboxylic acids show delayed activity after being deblocked at elevated temperatures. Amine catalysts can accelerate the surface reaction speed and improve the surface properties of the finished goods by migrating to the foam mold surface. Those containing hydroxyl groups will react with the isocyanate groups becoming bonded to the polyurethane polymer matrix, which renders zero-emission of amine catalyst during the service life of the end product.

Polyurethane catalysts can be classified into two broad categories, basic and acidic amine. Tertiary amine catalysts function by enhancing the nucleophilicity of the diol component. Alkyl tin carboxylates, oxides and mercaptides oxides function as mild Lewis acids in accelerating the formation of polyurethane. Asia- Pacific to Witness

Fastest Growth. The global focus of PU is currently on Asia-Pacific as well as the Southeast Asia countries. China, India, Thailand, and Vietnam are some of the key markets for PU due to their large population base and low per capita consumption of PU compared to developed countries, such as Germany or the United States. The growth of construction industry mainly in China, India and Brazil is expected to boost the demand for rigid polyurethane foams over the next decade.

Asia-Pacific is also the manufacturing and export hub for many products globally. Apart from footwear, some sectors, like the automotive industry in China and India, are among the largest in the world. The growing property market has also spurred the growth of the furniture and insulation industries, all of which rely heavily on PU as a key raw material.

This report is a detailed and comprehensive analysis for global Rigid PU Catalyst 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 Rigid PU Catalyst market size and forecasts, in consumption value (\$ Million), sales quantity (Kiloton), and average selling prices (US\$/Ton), 2020-2031

Global Rigid PU Catalyst market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kiloton), and average selling prices (US\$/Ton), 2020-2031

Global Rigid PU Catalyst market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kiloton), and average selling prices (US\$/Ton), 2020-2031

Global Rigid PU Catalyst market shares of main players, shipments in revenue (\$ Million), sales quantity (Kiloton), and ASP (US\$/Ton), 2020-2025

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 Rigid PU Catalyst

To forecast future growth in each product and end-use market

To forecast future factors affecting the marketplace

This report profiles key players in the global Rigid PU Catalyst 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 Huntsman, BASF, Covestro, Evonik, The Dow Chemical, Kao Corporation, Momentive, Tosoh, LANXESS, Air Products, etc.

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

Market Segmentation

Rigid PU Catalyst market is split by Type and by Application. For the period 2020-2031, 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

Non-reactive Amine Catalysts

Reactive Amine Catalysts

Market segment by Application

Building Materials

Food Industry

Industrial Equipment

Transportation Industry

Others

Major players covered

Huntsman

BASF

Covestro

Evonik

The Dow Chemical

Kao Corporation

Momentive

Tosoh

LANXESS

Air Products

Wanhua Chemical

Zhejiang Wansheng

Dajiang Chemical

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 Rigid PU Catalyst product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Rigid PU Catalyst, with price, sales quantity, revenue, and global market share of Rigid PU Catalyst from 2020 to 2025.

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

Chapter 4, the Rigid PU Catalyst breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and Rigid PU Catalyst market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Rigid PU Catalyst.

Chapter 14 and 15, to describe Rigid PU Catalyst sales channel, distributors, customers, research findings and conclusion.

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