

# **Acrylic Polymer Market By Type (Solvent Borne, Water Borne), By Application (Paints and Coatings, Adhesives and Sealants, Industrial water treatment additives, Textiles, Cleaning/Detergents, Super Absorbent Polymer, Others): Global Opportunity Analysis and Industry Forecast, 2023-2032**

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## **Abstracts**

The acrylic polymers market was valued at \$20.0 billion in 2022 and is estimated to reach \$36.9 billion by 2032, exhibiting a CAGR of 6.4% from 2023 to 2032.

Factors such as increase in disposable income, technological upgrades, and spurring rise in original equipment manufacturers (OEMs) have led the automotive sector to witness a significant growth. For instance, according to an article published by The China Association of Automobile Manufacturers in January 2023, China's auto sales rose by 9.5% in 2022 as compared to 2021 owing to rise in sales of electric vehicles in the country.

Acrylic polymers play a critical role in enhancing the performance, aesthetics, and durability of automotive components, contributing to the advancement of modern vehicles. Their diverse properties make them indispensable across various automotive applications, from coatings and adhesives to interior trim and lighting. This factor is expected to foster the demand for acrylic polymer in the rise in automotive sector; thus, fueling the growth of the acrylic polymers market.

Furthermore, One of the primary reasons for the growing preference for water-based

acrylic coatings is their eco-friendliness. These coatings have lower levels of volatile organic compounds (VOCs) as compared to solvent-based coatings. VOCs are harmful air pollutants that contribute to air quality deterioration and pose health risks to humans and the environment. As environmental regulations become more stringent worldwide, there is a greater emphasis on reducing VOC emissions, driving the shift towards water-based coatings. Additionally, water-based acrylic coatings align with sustainability initiatives pursued by many industries and consumers. With growth in awareness of environmental issues such as climate change and resource depletion, businesses are under pressure to adopt more sustainable practices. Water-based coatings, being less harmful to the environment, contribute to these sustainability goals, making them a preferred choice for environmentally conscious consumers and companies.

Furthermore, water-based acrylic coatings offer improved safety and health benefits compared to solvent-based coatings. They have lower toxicity levels, reducing the risks associated with exposure during application and use. This makes water-based coatings more suitable for indoor applications where ventilation may be limited, such as in residential and commercial buildings.

Moreover, technological advancements have also played a crucial role in enhancing the performance of water-based acrylic coatings. Manufacturers have developed formulations that provide excellent adhesion, durability, and resistance to various environmental factors such as UV radiation, moisture, and abrasion. These coatings can now achieve similar or even superior performance compared to solvent-based alternatives, driving wider adoption across different applications. These factors altogether are expected to surge the demand for water-based acrylic coatings across numerous end-use industries; thus, augmenting the growth of the acrylic polymers market.

However, one significant restraint facing the acrylic polymers market is the volatility in the prices of raw materials. Acrylic polymers are derived from petrochemical sources, primarily acrylic acid and methacrylic acid, which are sensitive to fluctuations in crude oil prices. Any instability in oil prices can directly impact the production costs of acrylic polymers, affecting profit margins for manufacturers. Additionally, the availability of raw materials can also be influenced by geopolitical factors, trade tensions, and supply chain disruptions, further exacerbating price volatility and uncertainty for industry players.

On the contrary, one significant opportunity for the acrylic polymers market lies in the

growing demand for lightweight materials across various industries, including automotive, aerospace, packaging, and construction. Acrylic polymers offer a favorable combination of properties, including high strength-to-weight ratio, durability, and design flexibility, making them well-suited for lightweight applications. With increasing emphasis on fuel efficiency, emissions reduction, and sustainability, there is a growing need for lightweight materials that can help manufacturers achieve these objectives. Acrylic polymers can play a crucial role in meeting this demand by providing lightweight solutions for automotive components, aircraft interiors, packaging materials, and building materials, thereby opening new opportunities for market growth and expansion.

Moreover, another significant opportunity for the acrylic polymers market is the rising demand for sustainable solutions and eco-friendly materials. As awareness of environmental issues continues to grow, consumers, regulators, and businesses are increasingly prioritizing sustainability and seeking alternatives to conventional plastics derived from fossil fuels. Acrylic polymers can capitalize on this trend by offering sustainable solutions such as bio-based acrylics, recycled acrylics, and biodegradable acrylics. These eco-friendly alternatives can help reduce reliance on petrochemicals, minimize carbon footprint, and mitigate plastic pollution, thereby addressing the sustainability concerns of stakeholders across the value chain. By investing in research and development, innovation, and collaboration with partners in the bio-based and recycling industries, acrylic polymer manufacturers can position themselves as leaders in sustainable materials and capture new market opportunities.

The acrylic polymers market is segmented on the basis of type, application, and region. On the basis of type, the market is categorized into solvent borne and water borne. By application, the market is divided into paints and coatings, adhesives and sealants, industrial water treatment additives, textiles, cleaning/detergents, super absorbent polymer, and others. Region-wise, the market is studied across North America, Europe, Asia-Pacific, and LAMEA.

The global acrylic polymers market profiles leading players that include Dow Inc., BASF SE, Arkema, DuPont, Mitsui Chemicals, Inc., NIPPON SHOKUBAI. CO. LTD, The Lubrizol Corporation, Ashland Inc, TOAGOSEI CO., LTD., and Sumitomo Chemical Co., Ltd. The global acrylic polymers market report provides in-depth competitive analysis as well as profiles of these major players.

### Key Benefits For Stakeholders

This report provides a quantitative analysis of the market

segments, current trends, estimations, and dynamics of the acrylic polymer market analysis from 2022 to 2032 to identify the prevailing acrylic polymer market opportunities.

The market research is offered along with information related to key drivers, restraints, and opportunities.

Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.

In-depth analysis of the acrylic polymer market segmentation assists to determine the prevailing market opportunities.

Major countries in each region are mapped according to their revenue contribution to the global market.

Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.

The report includes the analysis of the regional as well as global acrylic polymer market trends, key players, market segments, application areas, and market growth strategies.

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Analysis of raw material in a product (by %)

Installed Base analysis

Investment Opportunities

Product Benchmarking / Product specification and applications

Product Life Cycles

Technology Trend Analysis

Pain Point Analysis

Regulatory Guidelines

Additional company profiles with specific client's interest

Additional country or region analysis- market size and forecast

Criss-cross segment analysis- market size and forecast

Expanded list for Company Profiles

Historic market data

Import Export Analysis/Data

SWOT Analysis

Volume Market Size and Forecast

Key Market Segments

By Type

Solvent Borne

Water Borne

By Application

Paints and Coatings

Adhesives and Sealants

Industrial water treatment additives

Textiles

Cleaning/Detergents

Super Absorbent Polymer

Others

By Region

North America

U.S.

Canada

Mexico

Europe

Germany

UK

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

India

Japan

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

Key Market Players

Dow Inc.

BASF SE

Arkema

DuPont

Mitsui Chemicals, Inc.

NIPPON SHOKUBAI. CO. LTD

The Lubrizol Corporation

Ashland Inc

TOAGOSEI CO., LTD.

Sumitom%li%Chemical Co., Ltd.



## Contents

### CHAPTER 1: INTRODUCTION

- 1.1. Report description
- 1.2. Key market segments
- 1.3. Key benefits to the stakeholders
- 1.4. Research methodology
  - 1.4.1. Primary research
  - 1.4.2. Secondary research
  - 1.4.3. Analyst tools and models

### CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO perspective

### CHAPTER 3: MARKET OVERVIEW

- 3.1. Market definition and scope
- 3.2. Key findings
  - 3.2.1. Top impacting factors
  - 3.2.2. Top investment pockets
- 3.3. Porter's five forces analysis
  - 3.3.1. Moderate bargaining power of suppliers
  - 3.3.2. Moderate threat of new entrants
  - 3.3.3. Moderate threat of substitutes
  - 3.3.4. Moderate intensity of rivalry
  - 3.3.5. Moderate bargaining power of buyers
- 3.4. Market dynamics
  - 3.4.1. Drivers
    - 3.4.1.1. Escalating demand from architecture sector
    - 3.4.1.2. Robust demand from the automotive sector
    - 3.4.1.3. Rise in preference for water-based acrylic coatings
    - 3.4.1.4. Rise in demand from packaging sector
    - 3.4.1.5. Growth in textile sector
  - 3.4.2. Restraints
    - 3.4.2.1. Volatility in raw material prices
    - 3.4.2.2. Environmental concerns and sustainability
    - 3.4.2.3. Availability of substitutes

- 3.4.3. Opportunities
  - 3.4.3.1. Growth in demand for lightweight material
  - 3.4.3.2. Rise in demand for sustainable solutions
  - 3.4.3.3. Advancements in additive manufacturing (3D printing)
  - 3.4.3.4. Customization and specialty applications
- 3.5. Value Chain Analysis
- 3.6. Pricing Analysis
- 3.7. Key Regulation Analysis
- 3.8. Patent Landscape

## **CHAPTER 4: ACRYLIC POLYMER MARKET, BY TYPE**

- 4.1. Overview
  - 4.1.1. Market size and forecast
- 4.2. Solvent Borne
  - 4.2.1. Key market trends, growth factors and opportunities
  - 4.2.2. Market size and forecast, by region
  - 4.2.3. Market share analysis by country
- 4.3. Water Borne
  - 4.3.1. Key market trends, growth factors and opportunities
  - 4.3.2. Market size and forecast, by region
  - 4.3.3. Market share analysis by country

## **CHAPTER 5: ACRYLIC POLYMER MARKET, BY APPLICATION**

- 5.1. Overview
  - 5.1.1. Market size and forecast
- 5.2. Paints and Coatings
  - 5.2.1. Key market trends, growth factors and opportunities
  - 5.2.2. Market size and forecast, by region
  - 5.2.3. Market share analysis by country
- 5.3. Adhesives and Sealants
  - 5.3.1. Key market trends, growth factors and opportunities
  - 5.3.2. Market size and forecast, by region
  - 5.3.3. Market share analysis by country
- 5.4. Industrial water treatment additives
  - 5.4.1. Key market trends, growth factors and opportunities
  - 5.4.2. Market size and forecast, by region
  - 5.4.3. Market share analysis by country

## 5.5. Textiles

5.5.1. Key market trends, growth factors and opportunities

5.5.2. Market size and forecast, by region

5.5.3. Market share analysis by country

## 5.6. Cleaning/Detergents

5.6.1. Key market trends, growth factors and opportunities

5.6.2. Market size and forecast, by region

5.6.3. Market share analysis by country

## 5.7. Super Absorbent Polymer

5.7.1. Key market trends, growth factors and opportunities

5.7.2. Market size and forecast, by region

5.7.3. Market share analysis by country

## 5.8. Others

5.8.1. Key market trends, growth factors and opportunities

5.8.2. Market size and forecast, by region

5.8.3. Market share analysis by country

# **CHAPTER 6: ACRYLIC POLYMER MARKET, BY REGION**

## 6.1. Overview

6.1.1. Market size and forecast By Region

## 6.2. North America

6.2.1. Key market trends, growth factors and opportunities

6.2.2. Market size and forecast, by Type

6.2.3. Market size and forecast, by Application

6.2.4. Market size and forecast, by country

6.2.4.1. U.S.

6.2.4.1.1. Market size and forecast, by Type

6.2.4.1.2. Market size and forecast, by Application

6.2.4.2. Canada

6.2.4.2.1. Market size and forecast, by Type

6.2.4.2.2. Market size and forecast, by Application

6.2.4.3. Mexico

6.2.4.3.1. Market size and forecast, by Type

6.2.4.3.2. Market size and forecast, by Application

## 6.3. Europe

6.3.1. Key market trends, growth factors and opportunities

6.3.2. Market size and forecast, by Type

6.3.3. Market size and forecast, by Application

#### 6.3.4. Market size and forecast, by country

##### 6.3.4.1. Germany

6.3.4.1.1. Market size and forecast, by Type

6.3.4.1.2. Market size and forecast, by Application

##### 6.3.4.2. UK

6.3.4.2.1. Market size and forecast, by Type

6.3.4.2.2. Market size and forecast, by Application

##### 6.3.4.3. France

6.3.4.3.1. Market size and forecast, by Type

6.3.4.3.2. Market size and forecast, by Application

##### 6.3.4.4. Spain

6.3.4.4.1. Market size and forecast, by Type

6.3.4.4.2. Market size and forecast, by Application

##### 6.3.4.5. Italy

6.3.4.5.1. Market size and forecast, by Type

6.3.4.5.2. Market size and forecast, by Application

##### 6.3.4.6. Rest of Europe

6.3.4.6.1. Market size and forecast, by Type

6.3.4.6.2. Market size and forecast, by Application

#### 6.4. Asia-Pacific

6.4.1. Key market trends, growth factors and opportunities

6.4.2. Market size and forecast, by Type

6.4.3. Market size and forecast, by Application

6.4.4. Market size and forecast, by country

##### 6.4.4.1. China

6.4.4.1.1. Market size and forecast, by Type

6.4.4.1.2. Market size and forecast, by Application

##### 6.4.4.2. India

6.4.4.2.1. Market size and forecast, by Type

6.4.4.2.2. Market size and forecast, by Application

##### 6.4.4.3. Japan

6.4.4.3.1. Market size and forecast, by Type

6.4.4.3.2. Market size and forecast, by Application

##### 6.4.4.4. South Korea

6.4.4.4.1. Market size and forecast, by Type

6.4.4.4.2. Market size and forecast, by Application

##### 6.4.4.5. Rest of Asia-Pacific

6.4.4.5.1. Market size and forecast, by Type

6.4.4.5.2. Market size and forecast, by Application

## 6.5. LAMEA

6.5.1. Key market trends, growth factors and opportunities

6.5.2. Market size and forecast, by Type

6.5.3. Market size and forecast, by Application

6.5.4. Market size and forecast, by country

6.5.4.1. Brazil

6.5.4.1.1. Market size and forecast, by Type

6.5.4.1.2. Market size and forecast, by Application

6.5.4.2. Saudi Arabia

6.5.4.2.1. Market size and forecast, by Type

6.5.4.2.2. Market size and forecast, by Application

6.5.4.3. South Africa

6.5.4.3.1. Market size and forecast, by Type

6.5.4.3.2. Market size and forecast, by Application

6.5.4.4. Rest of LAMEA

6.5.4.4.1. Market size and forecast, by Type

6.5.4.4.2. Market size and forecast, by Application

## CHAPTER 7: COMPETITIVE LANDSCAPE

7.1. Introduction

7.2. Top winning strategies

7.3. Product mapping of top 10 player

7.4. Competitive dashboard

7.5. Competitive heatmap

7.6. Top player positioning, 2022

## CHAPTER 8: COMPANY PROFILES

8.1. Dow Inc.

8.1.1. Company overview

8.1.2. Key executives

8.1.3. Company snapshot

8.1.4. Operating business segments

8.1.5. Product portfolio

8.1.6. Business performance

8.2. BASF SE

8.2.1. Company overview

8.2.2. Key executives

- 8.2.3. Company snapshot
- 8.2.4. Operating business segments
- 8.2.5. Product portfolio
- 8.2.6. Business performance
- 8.2.7. Key strategic moves and developments
- 8.3. TOAGOSEI CO., LTD.
  - 8.3.1. Company overview
  - 8.3.2. Key executives
  - 8.3.3. Company snapshot
  - 8.3.4. Operating business segments
  - 8.3.5. Product portfolio
  - 8.3.6. Business performance
- 8.4. Sumitomo Chemical Co., Ltd.
  - 8.4.1. Company overview
  - 8.4.2. Key executives
  - 8.4.3. Company snapshot
  - 8.4.4. Operating business segments
  - 8.4.5. Product portfolio
  - 8.4.6. Business performance
- 8.5. Arkema
  - 8.5.1. Company overview
  - 8.5.2. Key executives
  - 8.5.3. Company snapshot
  - 8.5.4. Operating business segments
  - 8.5.5. Product portfolio
  - 8.5.6. Business performance
  - 8.5.7. Key strategic moves and developments
- 8.6. Ashland Inc
  - 8.6.1. Company overview
  - 8.6.2. Key executives
  - 8.6.3. Company snapshot
  - 8.6.4. Operating business segments
  - 8.6.5. Product portfolio
  - 8.6.6. Business performance
- 8.7. NIPPON SHOKUBAI. CO. LTD
  - 8.7.1. Company overview
  - 8.7.2. Key executives
  - 8.7.3. Company snapshot
  - 8.7.4. Operating business segments

- 8.7.5. Product portfolio
- 8.7.6. Business performance
- 8.8. The Lubrizol Corporation
  - 8.8.1. Company overview
  - 8.8.2. Key executives
  - 8.8.3. Company snapshot
  - 8.8.4. Operating business segments
  - 8.8.5. Product portfolio
  - 8.8.6. Key strategic moves and developments
- 8.9. DuPont
  - 8.9.1. Company overview
  - 8.9.2. Key executives
  - 8.9.3. Company snapshot
  - 8.9.4. Operating business segments
  - 8.9.5. Product portfolio
  - 8.9.6. Business performance
- 8.10. Mitsui Chemicals, Inc.
  - 8.10.1. Company overview
  - 8.10.2. Key executives
  - 8.10.3. Company snapshot
  - 8.10.4. Operating business segments
  - 8.10.5. Product portfolio
  - 8.10.6. Business performance

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