

UV Curable Resins Market Report by Resin Type (Acrylated Epoxies, Acrylated Polyesters, Acrylated Urethanes, Acrylated Silicones, and Others), Composition (Monomers, Oligomers, Photoinitiators, and Others), Application (Coating, Packaging, Printing, Adhesives and Sealants, and Others), and Region 2025-2033

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Report description:

The global UV curable resins market size reached USD 6.8 Billion in 2024. Looking forward, IMARC Group expects the market to reach USD 14.0 Billion by 2033, exhibiting a growth rate (CAGR) of 8.4% during 2025-2033.

Ultraviolet (UV) curable resins are non-solvent materials polymerized by the energy radiated from UV irradiation devices. They mainly comprise oligomers, co-initiators, photopolymerization initiators, monomers, and additives like stabilizers, antioxidants, plasticizers, and pigments. They have many advantages over conventional cures, such as reduced waste, less energy consumption and equipment space, low emission, high productivity, and minimal temperature treatment. In addition, as they do not contain organic solvents that have an adverse effect on the environment, UV curable resins are widely utilized as industrial materials in the pharmaceutical and food and beverage (F&B) industries for sealing, bonding, and coating items.

UV Curable Resins Market Trends:

Due to growing concerns of the coronavirus disease (COVID-19) transmission through packaging surfaces, UV cured resins are finding extensive application in various industry verticals as packaging coatings. UV cured resins increase production, reduce costs, and ensure high product quality for manufacturing a wide variety of medical products, such as filters, syringes, catheters, hearing aids, dialysis machines, medication patches, hydrogels, and test strips. In addition, the escalating demand for medical devices on account of the rising prevalence of chronic and lifestyle diseases is contributing to the market growth. Apart from this, the growing adoption of three-dimensional (3D) printing in the aerospace and automobile industries is driving the demand for UV cured resin-based 3D printing technologies. Moreover, UV curable resins derived from renewable raw materials with light-emitting

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diode (LED) technology are gaining traction to reduce air pollution and energy consumption and meet stringent regulations. Furthermore, the leading players are developing new and improved UV curable resins with expanded photosensitive wavelength bands and better photo-initiator solubility, which is anticipated to impel the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global UV curable resins market report, along with forecasts at the global, regional and country level from 2025-2033. Our report has categorized the market based on resin type, composition and application.

Breakup by Resin Type:

- Acrylated Epoxies
- Acrylated Polyesters
- Acrylated Urethanes
- Acrylated Silicones
- Others

Breakup by Composition:

- Monomers
- Oligomers
- Photoinitiators
- Others

Breakup by Application:

- Coating
- Packaging
- Printing
- Adhesives and Sealants
- Others

Breakup by Region:

- North America
 - o□United States
 - o□Canada
- Asia-Pacific
 - o□China
 - o□Japan
 - o□India
 - o□South Korea
 - o□Australia
 - o□Indonesia
 - o□Others
- Europe
 - o□Germany
 - o□France
 - o□United Kingdom
 - o□Italy
 - o□Spain
 - o□Russia

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- o Others
- Latin America
- o Brazil
- o Mexico
- o Others
- Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Allnex GmbH, Arkema S.A., BASF SE, Covestro AG, Dymax Corporation, Eternal Materials Co. Ltd., IGM Resins B.V., Jiangsu Litian Technology Co. Ltd., Jiangsu Sanmu Group Co. Ltd., Koninklijke DSM N.V., Showa Denko K. K. and Toagosei Co. Ltd.

Key Questions Answered in This Report:

- How has the global UV curable resins market performed so far and how will it perform in the coming years?
- What has been the impact of COVID-19 on the global UV curable resins market?
- What are the key regional markets?
- What is the breakup of the market based on the resin type?
- What is the breakup of the market based on the composition?
- What is the breakup of the market based on the application?
- What are the various stages in the value chain of the industry?
- What are the key driving factors and challenges in the industry?
- What is the structure of the global UV curable resins market and who are the key players?
- What is the degree of competition in the industry?

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