

Sustained Release Coatings Market Size and Share Outlook - Forecast Trends and Growth Analysis Report (2025-2034)

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Report description:

The sustained release coatings market size reached around USD 572.17 Million in 2024. The market is projected to grow at a CAGR of 6.40% between 2025 and 2034 to reach nearly USD 1064.00 Million by 2034.

Sustained release coatings aids in the targeted-release dosage of drugs for a specific period of time. The major factors driving the industry growth are the growing number of patent terminations, the rising interest in microencapsulated items, and the increased expenditure in R&D exercises by major companies.

Properties and Applications

Sustained release coating, which is considered a controlled release profile, is a method which allows for tailored dosing of the active ingredient at a predetermined rate over an extended period of time (up to 24 hours) with minimum side effects. It maintains a constant drug concentration by ways such as the use of film coating, a sustained release matrix, or sustained release drug-loaded granules. The global sustained release coatings market can be divided based on segments like polymer material types, applications, substrates, and regions.

Breakup by Polymer Material Type

- Ethyl and Methyl Cellulose
- Polyvinyl and Cellulose Acetate
- Methacrylic Acid
- Polyethylene Glycol (PEG)
- Others

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Breakup by Application

- In Vitro
- In Vivo

Breakup by Substrate

- Tablets
- Capsules
- Pills

Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Market Analysis

With the increased consumption of sustained release coatings, particularly in the emerging economies, for use in applications such as in vitro and in vivo, the industry is witnessing a healthy growth. Further, with a sharp rise in the demand for tablets, which are considered a new high-performance substrate for pharmaceutical drug applications, the industry is receiving a further boost. Rapid advancement, along with growing R&D in the pharmaceutical sector, is aiding the growth of the industry globally. The increasing demand for sustained release coatings for use in in vitro application is expected to drive the sustained release coatings market over the forecast period.

Ethyl and methyl cellulose, among other polymer material types, is anticipated to account for the largest share in the industry over the forecast period owing to advantages like its use as a moisture barrier and in sustained release applications. Further, the barcode technology, particularly 2D barcodes like data matrix and QR code, accounted for a major share in the market in 2020 owing to its increased adoption in medical devices industry due to its low cost and robust build.

Region-wise, while North America accounted for the largest share in the industry in 2020, the Asia Pacific is expected to witness the fastest growth rate over the forecast period owing to the rapid growth in the production of pharmaceutical drugs in countries like China and India, along with development in the R&D sector.

Competitive Landscape

The report presents a detailed analysis of the following key players in the global sustained release coatings market, looking into their capacity, market shares, and latest developments like capacity expansions, plant turnarounds, and mergers and acquisitions:

- BASF SE [BAS (ETR)]
- Evonik Industries AG [EVK (ETR)]
- Colorcon, Inc.
- Coating Place, Inc.

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- Others

The EMR report gives an in-depth insight into the market by providing a SWOT analysis as well as an analysis of Porter's Five Forces model.

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