

Mold Release Agents Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

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Abstracts

The Global Mold Release Agents Market, valued at USD 2.5 billion in 2024, is set to grow at a CAGR of 8.6% from 2025 to 2034. This growth is fueled by rising demand across industries such as automotive, aerospace, and construction. Increasing focus on enhancing production efficiency and minimizing defects in manufacturing processes has significantly boosted the adoption of mold release agents worldwide. The industry growth is further supported by the shift towards sustainable and eco-friendly solutions driven by stringent environmental regulations targeting volatile organic compounds (VOCs).

Among various product types, the solvent-based mold release agents segment accounted for over USD 849 million in 2024, with a projected CAGR of 8.8% through 2034. These agents are widely used for their superior performance in high-temperature and high-pressure molding applications. Industries that require quick evaporation and smooth finishes continue to rely on solvent-based solutions despite the growing regulatory push for low-VOC alternatives. Their durability and fast-drying properties make them indispensable in sectors where water-based agents may not meet performance requirements.

The plastic segment is a major contributor to the mold release agents market, valued at USD 1 billion in 2024, and is expected to grow at a CAGR of 8.7% over 2025-2034. Plastics are extensively used across industries, including automotive, electronics, packaging, and consumer goods, creating a high demand for efficient release agents. Processes like injection molding, blow molding, and extrusion benefit from these agents, ensuring defect-free products and smooth operations. As industries continue to innovate with complex designs and higher production speeds, the need for advanced mold

release agents tailored to the unique demands of plastic manufacturing is expanding.

In the plastic molding segment alone, the market is projected to reach USD 732.2 million by 2024, growing at a CAGR of 8.3% through 2034. The rise in demand for lightweight and durable plastic components is driving manufacturers to adopt high-performance, non-toxic, and sustainable mold release solutions.

China dominates the global mold release agents market with a valuation of USD 471.2 million in 2024, projected to grow at a 9.4% CAGR through 2034. The country's thriving manufacturing sector, coupled with increasing demand for high-quality industrial components, is driving the adoption of innovative, eco-friendly mold release agents to meet production and regulatory standards.

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