

Global Flame Retardant RDP Market Growth 2026-2032

<https://marketpublishers.com/r/G5EDC915D5C3EN.html>

Date: May 2026

Pages: 94

Price: US\$ 3,660.00 (Single User License)

ID: G5EDC915D5C3EN

Abstracts

The global Flame Retardant RDP market size is predicted to grow from US\$ 335 million in 2025 to US\$ 459 million in 2032; it is expected to grow at a CAGR of 4.7% from 2026 to 2032.

Flame Retardant RDP (resorcinol bis(diphenyl phosphate)) is a high-efficiency, low-volatility halogen-free phosphorus flame retardant. It exhibits excellent thermal stability and is commonly used for flame-retardant modification of engineering plastics such as PC/ABS, PPO, and PET, maintaining stability even at high processing temperatures.

The core upstream raw materials include phosphorus oxychloride, resorcinol, and phenol. Among these, phosphorus oxychloride is significantly affected by yellow phosphorus prices and environmental production restrictions, making it a key factor in cost fluctuations; the supply of resorcinol is limited by the production capacity of a few large fine chemical companies. RDP is a highly efficient, low-volatility halogen-free phosphorus flame retardant primarily used in high-performance engineering plastics and resins.

Global sales in 2025 were approximately 80,000 tons, with an average selling price of US\$4,285 per ton. The industry's gross profit margin is between 20% and 30%.

United States market for Flame Retardant RDP is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Flame Retardant RDP is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Flame Retardant RDP is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Flame Retardant RDP players cover St. Louis Group, ICL Group, DAIHACHI Chemical Industry, GO YEN CHEMICAL INDUSTRIAL, Zhejiang Wansheng, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the 'Flame Retardant RDP Industry Forecast' looks at past sales and reviews total world Flame Retardant RDP sales in 2025, providing a comprehensive analysis by region and market sector of projected Flame Retardant RDP sales for 2026 through 2032. With Flame Retardant RDP sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Flame Retardant RDP industry.

This Insight Report provides a comprehensive analysis of the global Flame Retardant RDP landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Flame Retardant RDP portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Flame Retardant RDP market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Flame Retardant RDP and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Flame Retardant RDP.

This report presents a comprehensive overview, market shares, and growth opportunities of Flame Retardant RDP market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Purity?98%

Purity?99%

Other

Segmentation by Chromaticity:

Chromaticity APHA

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