

# Global Ammonium Perchlorate Composite Propellant Market Growth 2026-2032

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## Abstracts

The global Ammonium Perchlorate Composite Propellant market size is predicted to grow from US\$ 2722 million in 2025 to US\$ 4713 million in 2032; it is expected to grow at a CAGR of 8.2% from 2026 to 2032.

Ammonium Perchlorate Composite Propellant (APCP) is a solid rocket propellant widely used in launch vehicles, tactical missiles, space boosters, and high-power rocket motors. It is a heterogeneous mixture in which ammonium perchlorate (AP) serves as the oxidizer (typically 60–75% by weight), aluminum powder acts as the metallic fuel to increase energy density and combustion temperature, and a polymeric binder system (commonly HTPB—hydroxyl-terminated polybutadiene, cured with isocyanates) functions both as fuel and structural matrix; additives such as plasticizers, bonding agents, burn-rate modifiers, and curing catalysts are included to tailor mechanical strength and ballistic performance. The supply chain begins upstream with chlor-alkali and ammonia producers (for perchlorate chemistry), specialty oxidizer manufacturers producing high-purity AP crystals (often classified energetic material facilities), aluminum powder atomization suppliers, and polymer/binder chemical producers. Midstream involves controlled mixing, casting, vacuum degassing, and curing of propellant grains in licensed energetic-material plants under strict safety and environmental regulations. Downstream customers include aerospace OEMs, defense contractors, space launch providers, and government agencies, with final integration into rocket motors followed by testing, storage, and lifecycle management under regulated energetic-material logistics systems. In 2025, global Ammonium Perchlorate Composite Propellant (APCP) output reached about 260,000 tons, with global capacity near 315,000 tons per year. Prices range from USD 6,800–13,000 per ton, and average gross margin is approximately 36%.

United States market for Ammonium Perchlorate Composite Propellant 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 Ammonium Perchlorate Composite Propellant 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 Ammonium Perchlorate Composite Propellant is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Ammonium Perchlorate Composite Propellant players cover Northrop Grumman (USA), L3Harris (USA), Anduril Industries (USA), X-Bow Systems (USA), Nammo (Norway), 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 "Ammonium Perchlorate Composite Propellant Industry Forecast" looks at past sales and reviews total world Ammonium Perchlorate Composite Propellant sales in 2025, providing a comprehensive analysis by region and market sector of projected Ammonium Perchlorate Composite Propellant sales for 2026 through 2032. With Ammonium Perchlorate Composite Propellant sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Ammonium Perchlorate Composite Propellant industry.

This Insight Report provides a comprehensive analysis of the global Ammonium Perchlorate Composite Propellant 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 Ammonium Perchlorate Composite Propellant portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Ammonium Perchlorate Composite Propellant market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Ammonium Perchlorate Composite Propellant 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 Ammonium Perchlorate Composite Propellant.

This report presents a comprehensive overview, market shares, and growth opportunities of Ammonium Perchlorate Composite Propellant market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

HTPB-based APCP

CTPB-based APCP

PBAN-based APCP

Segmentation by Burn Rate:

Low Burn Rate (15 mm/s)

Segmentation by Application:

Space Launcher

Tactical Missile

Sounding Rocket

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

## APAC

China

Japan

Korea

Southeast Asia

India

Australia

## Europe

Germany

France

UK

Italy

Russia

## Middle East & Africa

Egypt

South Africa

Israel

Turkey

## GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Northrop Grumman (USA)

L3Harris (USA)

Anduril Industries (USA)

X-Bow Systems (USA)

Nammo (Norway)

Avio (Italy)

Europropulsion (France)

ArianeGroup (France)

Calibre Chemicals (India)

Pandian Chemicals (India)

### Key Questions Addressed in this Report

What is the 10-year outlook for the global Ammonium Perchlorate Composite Propellant market?

What factors are driving Ammonium Perchlorate Composite Propellant market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Ammonium Perchlorate Composite Propellant market opportunities vary by end market size?

How does Ammonium Perchlorate Composite Propellant break out by Type, by Application?

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