

# Global Rosin Activated (RA) Cored Solder Wire Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Rosin Activated (RA) Cored Solder Wire market size is expected to reach \$ 1253 million by 2032, rising at a market growth of 3.9% CAGR during the forecast period (2026-2032).

Rosin-activated (RA) cored solder wire is a tubular solder material filled with highly active rosin-based flux. Its RA-grade flux has strong oxide removal capabilities, ensuring excellent wetting and soldering reliability, making it suitable for industrial applications such as electronic assembly and automotive electronics where high solder joint quality is required.

Upstream: Primarily includes suppliers of metal raw materials such as tin, copper, and silver, as well as flux raw material suppliers such as rosin and organic acid activators. RA-grade flux requires high-quality hydrogenated rosin combined with self-developed organic acid activators, processed using a special process; its formulation technology directly affects the product's activity and reliability. Downstream: Primarily targets PCB assembly companies and EMS service providers in consumer electronics, automotive electronics, communication equipment, and aerospace industries. Sales channels include electronic component distribution platforms, industrial e-commerce, and direct sales, along with soldering process optimization and technical support services. The global price of rosin-cored solder wire is \$10,814/ton, with annual sales of approximately 86,020 tons, a global production capacity of 100,000 tons, and an industry profit margin of 20%.

The future market for rosin-activated (RA) cored solder wire will evolve towards higher performance, more specialized applications, and greater environmental friendliness. With the miniaturization and increasing reliability requirements of electronic products,

products are continuously being optimized for low spatter, high insulation resistance, and no-cleaning properties. The explosive growth in demand from automotive electronics and 5G communications is driving reliability upgrades for RA-grade solder wire in high-temperature and high-humidity environments. Simultaneously, the trend towards lead-free soldering is accelerating, and technological breakthroughs in using synthetic resins to replace natural rosin are reshaping the industry landscape. The Asia-Pacific region continues to dominate global production capacity due to its manufacturing advantages.

This report studies the global Rosin Activated (RA) Cored Solder Wire production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Rosin Activated (RA) Cored Solder Wire and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Rosin Activated (RA) Cored Solder Wire that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Rosin Activated (RA) Cored Solder Wire total production and demand, 2021-2032, (Tons)

Global Rosin Activated (RA) Cored Solder Wire total production value, 2021-2032, (USD Million)

Global Rosin Activated (RA) Cored Solder Wire production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Rosin Activated (RA) Cored Solder Wire consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Rosin Activated (RA) Cored Solder Wire domestic production, consumption, key domestic manufacturers and share

Global Rosin Activated (RA) Cored Solder Wire production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Rosin Activated (RA) Cored Solder Wire production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Rosin Activated (RA) Cored Solder Wire production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Rosin Activated (RA) Cored Solder Wire market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include SMIC, Harima, almit, AIM Solder, Oatey, Wartonsolder, Red Hill General, Mayer Alloys, Greener, Vital Material, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Rosin Activated (RA) Cored Solder Wire market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Rosin Activated (RA) Cored Solder Wire Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Rosin Activated (RA) Cored Solder Wire Market, Segmentation by Type:

Lead-Free

Leaded

Global Rosin Activated (RA) Cored Solder Wire Market, Segmentation by Wire Diameter Specifications:

Fine Wire Type

Medium Wire Type

Thick Wire Type

Global Rosin Activated (RA) Cored Solder Wire Market, Segmentation by Soldering Process:

Manual Soldering Type

Automatic Soldering Type

Laser Soldering Type

Global Rosin Activated (RA) Cored Solder Wire Market, Segmentation by Application:

Consumer Electronics

Automotive

Telecommunication

Others

#### Companies Profiled:

SMIC

Harima

almit

AIM Solder

Oatey

Wartonsolder

Red Hill General

Mayer Alloys

Greener

Vital Material

Tongfang Electronic

Youbang

Arakawa Chemical Industries

Uniforce Metal Industry

#### **Key Questions Answered:**

1. How big is the global Rosin Activated (RA) Cored Solder Wire market?
2. What is the demand of the global Rosin Activated (RA) Cored Solder Wire market?

3. What is the year over year growth of the global Rosin Activated (RA) Cored Solder Wire market?
4. What is the production and production value of the global Rosin Activated (RA) Cored Solder Wire market?
5. Who are the key producers in the global Rosin Activated (RA) Cored Solder Wire market?
6. What are the growth factors driving the market demand?

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