

Global Phenolic Resin Grinding Wheel Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Phenolic Resin Grinding Wheel market size is expected to reach \$ 4215 million by 2032, rising at a market growth of 2.0% CAGR during the forecast period (2026-2032).

Phenolic resin grinding wheels are abrasive tools made using phenolic resin as a binder. Known for their excellent heat resistance, wear resistance, and mechanical strength, phenolic resins are widely used to manufacture high-performance grinding wheels. These wheels are commonly used for machining materials such as metals, ceramics, glass, and wood, maintaining high stability and durability during high-speed grinding operations. Phenolic resin grinding wheels are available in various types, including flat wheels, cylindrical wheels, and internal grinding wheels, to cater to different machining needs. The binder composition ensures that these wheels possess excellent resistance to thermal expansion and aging, even during high-temperature, high-speed grinding.

The key drivers for the phenolic resin grinding wheel market include the growing demand from the manufacturing industry for efficient and high-performance grinding tools, particularly in sectors like automotive, aerospace, and precision machining. As precision machining technologies evolve and automation in production accelerates, the demand for phenolic resin grinding wheels continues to rise, especially in applications involving high-speed operations in high-temperature environments. Additionally, phenolic resin grinding wheels are known for their relatively better environmental performance compared to other types, with lower emissions and better sustainability, making them a significant driver for market growth.

However, the market also faces several risks. Firstly, fluctuations in the price of raw

materials for phenolic resin production can lead to increased production costs. Secondly, while phenolic resin grinding wheels offer many advantages, they may sometimes be less durable or have slightly lower hardness compared to other types of wheels, which limits their use in some ultra-precision machining applications. In terms of market concentration, a few large companies dominate the market, but with technological advancements and the entry of new players, competition is gradually intensifying.

The downstream demand trend indicates an increasing need for high-performance, environmentally friendly, and customized grinding wheel products. As industries place more emphasis on efficient, low-emission tools, the demand for phenolic resin grinding wheels with better environmental features and higher machining precision continues to rise, driving technological innovations within the industry.

This report studies the global Phenolic Resin Grinding Wheel production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Phenolic Resin Grinding Wheel 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 Phenolic Resin Grinding Wheel that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Phenolic Resin Grinding Wheel total production and demand, 2021-2032, (MT)

Global Phenolic Resin Grinding Wheel total production value, 2021-2032, (USD Million)

Global Phenolic Resin Grinding Wheel production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (MT), (based on production site)

Global Phenolic Resin Grinding Wheel consumption by region & country, CAGR, 2021-2032 & (MT)

U.S. VS China: Phenolic Resin Grinding Wheel domestic production, consumption, key domestic manufacturers and share

Global Phenolic Resin Grinding Wheel production by manufacturer, production, price,

value and market share 2021-2026, (USD Million) & (MT)

Global Phenolic Resin Grinding Wheel production by Type, production, value, CAGR, 2021-2032, (USD Million) & (MT)

Global Phenolic Resin Grinding Wheel production by Application, production, value, CAGR, 2021-2032, (USD Million) & (MT)

This report profiles key players in the global Phenolic Resin Grinding Wheel 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 Klingspor, 3M, Mirka Abrasives, Noritake, Saint-Gobain, Kure Grinding Wheel, Camel Grinding Wheels, Tyrolit Group, SHIN-EI Grinding Wheels, DSA Products, 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 Phenolic Resin Grinding Wheel market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (MT) and average price (USD/MT) 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 Phenolic Resin Grinding Wheel Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Phenolic Resin Grinding Wheel Market, Segmentation by Type:

Al₂O₃ Phenolic Resin Grinding Wheel

SiC Phenolic Resin Grinding Wheel

MBD and CBN Phenolic Resin Grinding Wheel

Others

Global Phenolic Resin Grinding Wheel Market, Segmentation by Application:

Metalworking and Fabrication

Tool Manufacturing

Construction and Heavy Machinery

Others

Companies Profiled:

Klingspor

3M

Mirka Abrasives

Noritake

Saint-Gobain

Kure Grinding Wheel

Camel Grinding Wheels

Tyrolit Group

SHIN-EI Grinding Wheels

DSA Products

Andre Abrasive

DK Holdings

ELKA-Elastic

Keihin Kogyosho Co., Ltd

Northern Grinding Wheels

Hebei Sanfeng Abrasives

Hindustan Abrasives

GRANIT Grinding Wheel Ltd

ATLANTIC GmbH

AWUKO Abrasives

Abrasivos Manhattan SA

Key Questions Answered:

1. How big is the global Phenolic Resin Grinding Wheel market?

2. What is the demand of the global Phenolic Resin Grinding Wheel market?
3. What is the year over year growth of the global Phenolic Resin Grinding Wheel market?
4. What is the production and production value of the global Phenolic Resin Grinding Wheel market?
5. Who are the key producers in the global Phenolic Resin Grinding Wheel market?
6. What are the growth factors driving the market demand?

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