

Global Ester-Cured Alkaline Phenolic Resins Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GF5FF71D5DC7EN.html>

Date: September 2026

Pages: 135

Price: US\$ 4,480.00 (Single User License)

ID: GF5FF71D5DC7EN

Abstracts

The global Ester-Cured Alkaline Phenolic Resins market size is expected to reach \$ 203 million by 2032, rising at a market growth of 4.5% CAGR during the forecast period (2026-2032).

Ester-cured alkaline phenolic resin is a type of binder produced through the polycondensation of phenol and formaldehyde under strongly alkaline conditions, utilizing an organic ester as the curing agent. Its advantages lie in the absence of harmful elements such as nitrogen, sulfur, and phosphorus; it effectively prevents defects like hot tears and burrs, thereby enhancing casting quality.

The upstream segment of the industry chain primarily comprises raw materials—such as phenol, formaldehyde, potassium or sodium hydroxide, process water, and resin modifiers—along with the polyol esters, lactones, and blended organic esters used to produce the accompanying curing agents. Phenol and formaldehyde undergo polycondensation in an alkaline environment to form water-soluble phenolic resin; the type and dosage of the alkali influence the resin's stability, viscosity, and curing performance, while the structure and hydrolysis rate of the organic ester determine the working time and demolding speed. Midstream enterprises handle resin synthesis, curing agent formulation, performance matching, quality testing, and packaging/supply. Downstream applications primarily involve steel, iron, and non-ferrous metal casting enterprises using the resin for sand mold and core manufacturing; end-use sectors span energy equipment, construction machinery, shipbuilding and offshore engineering, rail transit, automotive manufacturing, and general machinery.

In 2025, global sales volume is projected to reach approximately 98,000 metric tons, with a comprehensive average price of around \$1,480 per metric ton and industry gross

margins ranging from 15% to 30%.

Market growth for ester-cured alkaline phenolic resins is primarily driven by the demand—stemming from sectors such as large steel castings, energy equipment, construction machinery, and marine castings—for binders that offer low smoke, low odor, and reduced nitrogen/sulfur-related defects. Compared to traditional self-hardening systems like furan resins, this product offers advantages in casting surface quality, high-temperature performance, and the working environment; however, its higher viscosity, slower early-strength development, and sensitivity to factors such as sand temperature, reclaimed sand quality, and resin-to-curing agent ratios have limited its widespread adoption in the high-speed production of small castings. Future industry development will focus on formulations featuring low viscosity, low free-formaldehyde content, and high strength, alongside compatible curing agent systems suitable for high proportions of reclaimed sand and varying ambient temperatures. Overall, while this product is unlikely to fully replace other foundry binders, it retains stable growth potential in the market for large, thick-walled, and high-quality castings.

Report Scope

This report studies the global Ester-Cured Alkaline Phenolic Resins production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Ester-Cured Alkaline Phenolic Resins 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 Ester-Cured Alkaline Phenolic Resins that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Ester-Cured Alkaline Phenolic Resins total production and demand, 2021-2032, (Tons)

Global Ester-Cured Alkaline Phenolic Resins total production value, 2021-2032, (USD Million)

Global Ester-Cured Alkaline Phenolic Resins production by region & country,

production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Ester-Cured Alkaline Phenolic Resins consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Ester-Cured Alkaline Phenolic Resins domestic production, consumption, key domestic manufacturers and share

Global Ester-Cured Alkaline Phenolic Resins production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Ester-Cured Alkaline Phenolic Resins production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Ester-Cured Alkaline Phenolic Resins production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Ester-Cured Alkaline Phenolic Resins 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 ASK Chemicals, Vesuvius, HA Group, Kao-Quaker, ASAHI YUKIZAI, Çukurova Kimya, Forace, Shengquan Group, Suzhou Xingye Materials Technology, Shandong Baofeng New Materials, 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 Ester-Cured Alkaline Phenolic Resins 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 Ester-Cured Alkaline Phenolic Resins Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Market Segmentation

Global Ester-Cured Alkaline Phenolic Resins Market, Segmentation by Type:

Fast-setting Type (?30 min)

Medium-setting Type (>30–60 min)

Slow-setting Type (>60 min)

Global Ester-Cured Alkaline Phenolic Resins Market, Segmentation by Curing Agent Composition:

Single Organic Ester

Composite Organic Ester

Global Ester-Cured Alkaline Phenolic Resins Market, Segmentation by Resin Viscosity (25°C):

Low Viscosity (<60 mPa·s)

Medium Viscosity (60–150 mPa·s)

High Viscosity (>150 mPa·s)

Global Ester-Cured Alkaline Phenolic Resins Market, Segmentation by Application:

Steel Castings

Iron Castings

Non-ferrous Metal Castings

Others

Companies Profiled:

ASK Chemicals

Vesuvius

HA Group

Kao-Quaker

ASAHI YUKIZAI

Çukurova Kimya

Forace

Shengquan Group

Suzhou Xingye Materials Technology

Shandong Baofeng New Materials

Zhejiang Tianqi New Material Technology

Sichuan Dongshu New Materials

Xinda Casting Technology

Key Questions Answered

1. How big is the global Ester-Cured Alkaline Phenolic Resins market?
2. What is the demand of the global Ester-Cured Alkaline Phenolic Resins market?
3. What is the year over year growth of the global Ester-Cured Alkaline Phenolic Resins market?
4. What is the total value of the global Ester-Cured Alkaline Phenolic Resins market?
5. Who are the Major Players in the global Ester-Cured Alkaline Phenolic Resins market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Ester-Cured Alkaline Phenolic Resins Introduction
- 1.2 World Ester-Cured Alkaline Phenolic Resins Supply & Forecast
 - 1.2.1 World Ester-Cured Alkaline Phenolic Resins Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Ester-Cured Alkaline Phenolic Resins Production (2021-2032)
 - 1.2.3 World Ester-Cured Alkaline Phenolic Resins Pricing Trends (2021-2032)
- 1.3 World Ester-Cured Alkaline Phenolic Resins Production by Region (Based on Production Site)
 - 1.3.1 World Ester-Cured Alkaline Phenolic Resins Production Value by Region (2021-2032)
 - 1.3.2 World Ester-Cured Alkaline Phenolic Resins Production by Region (2021-2032)
 - 1.3.3 World Ester-Cured Alkaline Phenolic Resins Average Price by Region (2021-2032)
 - 1.3.4 North America Ester-Cured Alkaline Phenolic Resins Production (2021-2032)
 - 1.3.5 Europe Ester-Cured Alkaline Phenolic Resins Production (2021-2032)
 - 1.3.6 China Ester-Cured Alkaline Phenolic Resins Production (2021-2032)
 - 1.3.7 Japan Ester-Cured Alkaline Phenolic Resins Production (2021-2032)
 - 1.3.8 India Ester-Cured Alkaline Phenolic Resins Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Ester-Cured Alkaline Phenolic Resins Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Ester-Cured Alkaline Phenolic Resins Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Ester-Cured Alkaline Phenolic Resins Demand (2021-2032)
- 2.2 World Ester-Cured Alkaline Phenolic Resins Consumption by Region
 - 2.2.1 World Ester-Cured Alkaline Phenolic Resins Consumption by Region (2021-2026)
 - 2.2.2 World Ester-Cured Alkaline Phenolic Resins Consumption Forecast by Region (2027-2032)
- 2.3 United States Ester-Cured Alkaline Phenolic Resins Consumption (2021-2032)
- 2.4 China Ester-Cured Alkaline Phenolic Resins Consumption (2021-2032)
- 2.5 Europe Ester-Cured Alkaline Phenolic Resins Consumption (2021-2032)
- 2.6 Japan Ester-Cured Alkaline Phenolic Resins Consumption (2021-2032)

2.7 South Korea Ester-Cured Alkaline Phenolic Resins Consumption (2021-2032)

2.8 ASEAN Ester-Cured Alkaline Phenolic Resins Consumption (2021-2032)

2.9 India Ester-Cured Alkaline Phenolic Resins Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Ester-Cured Alkaline Phenolic Resins Production Value by Manufacturer (2021-2026)

3.2 World Ester-Cured Alkaline Phenolic Resins Production by Manufacturer (2021-2026)

3.3 World Ester-Cured Alkaline Phenolic Resins Average Price by Manufacturer (2021-2026)

3.4 Ester-Cured Alkaline Phenolic Resins Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Ester-Cured Alkaline Phenolic Resins Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Ester-Cured Alkaline Phenolic Resins in 2025

3.5.3 Global Concentration Ratios (CR8) for Ester-Cured Alkaline Phenolic Resins in 2025

3.6 Ester-Cured Alkaline Phenolic Resins Market: Overall Company Footprint Analysis

3.6.1 Ester-Cured Alkaline Phenolic Resins Market: Region Footprint

3.6.2 Ester-Cured Alkaline Phenolic Resins Market: Company Product Type Footprint

3.6.3 Ester-Cured Alkaline Phenolic Resins Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Ester-Cured Alkaline Phenolic Resins Production Value Comparison

4.1.1 United States VS China: Ester-Cured Alkaline Phenolic Resins Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Ester-Cured Alkaline Phenolic Resins Production Value

Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Ester-Cured Alkaline Phenolic Resins Production Comparison

4.2.1 United States VS China: Ester-Cured Alkaline Phenolic Resins Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Ester-Cured Alkaline Phenolic Resins Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Ester-Cured Alkaline Phenolic Resins Consumption Comparison

4.3.1 United States VS China: Ester-Cured Alkaline Phenolic Resins Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Ester-Cured Alkaline Phenolic Resins Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Ester-Cured Alkaline Phenolic Resins Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Ester-Cured Alkaline Phenolic Resins Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Ester-Cured Alkaline Phenolic Resins Production Value (2021-2026)

4.4.3 United States Based Manufacturers Ester-Cured Alkaline Phenolic Resins Production (2021-2026)

4.5 China Based Ester-Cured Alkaline Phenolic Resins Manufacturers and Market Share

4.5.1 China Based Ester-Cured Alkaline Phenolic Resins Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Ester-Cured Alkaline Phenolic Resins Production Value (2021-2026)

4.5.3 China Based Manufacturers Ester-Cured Alkaline Phenolic Resins Production (2021-2026)

4.6 Rest of World Based Ester-Cured Alkaline Phenolic Resins Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Ester-Cured Alkaline Phenolic Resins Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Ester-Cured Alkaline Phenolic Resins Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Ester-Cured Alkaline Phenolic Resins Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Ester-Cured Alkaline Phenolic Resins Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Fast-setting Type (?30 min)

5.2.2 Medium-setting Type (>30–60 min)

5.2.3 Slow-setting Type (>60 min)

5.3 Market Segment by Type

5.3.1 World Ester-Cured Alkaline Phenolic Resins Production by Type (2021-2032)

5.3.2 World Ester-Cured Alkaline Phenolic Resins Production Value by Type (2021-2032)

5.3.3 World Ester-Cured Alkaline Phenolic Resins Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY CURING AGENT COMPOSITION

6.1 World Ester-Cured Alkaline Phenolic Resins Market Size Overview by Curing Agent Composition: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Curing Agent Composition

6.2.1 Single Organic Ester

6.2.2 Composite Organic Ester

6.3 Market Segment by Curing Agent Composition

6.3.1 World Ester-Cured Alkaline Phenolic Resins Production by Curing Agent Composition (2021-2032)

6.3.2 World Ester-Cured Alkaline Phenolic Resins Production Value by Curing Agent Composition (2021-2032)

6.3.3 World Ester-Cured Alkaline Phenolic Resins Average Price by Curing Agent Composition (2021-2032)

7 MARKET ANALYSIS BY RESIN VISCOSITY (25°C)

7.1 World Ester-Cured Alkaline Phenolic Resins Market Size Overview by Resin Viscosity (25°C): 2021 VS 2025 VS 2032

7.2 Segment Introduction by Resin Viscosity (25°C)

7.2.1 Low Viscosity (?60 mPa·s)

7.2.2 Medium Viscosity (60–150 mPa·s)

7.2.3 High Viscosity (>150 mPa·s)

7.3 Market Segment by Resin Viscosity (25°C)

7.3.1 World Ester-Cured Alkaline Phenolic Resins Production by Resin Viscosity (25°C) (2021-2032)

7.3.2 World Ester-Cured Alkaline Phenolic Resins Production Value by Resin Viscosity (25°C) (2021-2032)

7.3.3 World Ester-Cured Alkaline Phenolic Resins Average Price by Resin Viscosity (25°C) (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Ester-Cured Alkaline Phenolic Resins Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Steel Castings

8.2.2 Iron Castings

8.2.3 Non-ferrous Metal Castings

8.2.4 Others

8.3 Market Segment by Application

8.3.1 World Ester-Cured Alkaline Phenolic Resins Production by Application (2021-2032)

8.3.2 World Ester-Cured Alkaline Phenolic Resins Production Value by Application (2021-2032)

8.3.3 World Ester-Cured Alkaline Phenolic Resins Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 ASK Chemicals

9.1.1 ASK Chemicals Details

9.1.2 ASK Chemicals Major Business

9.1.3 ASK Chemicals Ester-Cured Alkaline Phenolic Resins Product and Services

9.1.4 ASK Chemicals Ester-Cured Alkaline Phenolic Resins Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 ASK Chemicals Recent Developments/Updates

9.1.6 ASK Chemicals Competitive Strengths & Weaknesses

9.2 Vesuvius

9.2.1 Vesuvius Details

9.2.2 Vesuvius Major Business

9.2.3 Vesuvius Ester-Cured Alkaline Phenolic Resins Product and Services

9.2.4 Vesuvius Ester-Cured Alkaline Phenolic Resins Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 Vesuvius Recent Developments/Updates

9.2.6 Vesuvius Competitive Strengths & Weaknesses

9.3 HA Group

9.3.1 HA Group Details

9.3.2 HA Group Major Business

9.3.3 HA Group Ester-Cured Alkaline Phenolic Resins Product and Services

9.3.4 HA Group Ester-Cured Alkaline Phenolic Resins Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 HA Group Recent Developments/Updates

9.3.6 HA Group Competitive Strengths & Weaknesses

9.4 Kao-Quaker

9.4.1 Kao-Quaker Details

9.4.2 Kao-Quaker Major Business

9.4.3 Kao-Quaker Ester-Cured Alkaline Phenolic Resins Product and Services

9.4.4 Kao-Quaker Ester-Cured Alkaline Phenolic Resins Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Kao-Quaker Recent Developments/Updates

9.4.6 Kao-Quaker Competitive Strengths & Weaknesses

9.5 ASAHI YUKIZAI

9.5.1 ASAHI YUKIZAI Details

9.5.2 ASAHI YUKIZAI Major Business

9.5.3 ASAHI YUKIZAI Ester-Cured Alkaline Phenolic Resins Product and Services

9.5.4 ASAHI YUKIZAI Ester-Cured Alkaline Phenolic Resins Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 ASAHI YUKIZAI Recent Developments/Updates

9.5.6 ASAHI YUKIZAI Competitive Strengths & Weaknesses

9.6 Çukurova Kimya

9.6.1 Çukurova Kimya Details

9.6.2 Çukurova Kimya Major Business

9.6.3 Çukurova Kimya Ester-Cured Alkaline Phenolic Resins Product and Services

9.6.4 Çukurova Kimya Ester-Cured Alkaline Phenolic Resins Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 Çukurova Kimya Recent Developments/Updates

9.6.6 Çukurova Kimya Competitive Strengths & Weaknesses

9.7 Forace

9.7.1 Forace Details

9.7.2 Forace Major Business

9.7.3 Forace Ester-Cured Alkaline Phenolic Resins Product and Services

9.7.4 Forace Ester-Cured Alkaline Phenolic Resins Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 9.7.5 Forace Recent Developments/Updates
- 9.7.6 Forace Competitive Strengths & Weaknesses
- 9.8 Shengquan Group
 - 9.8.1 Shengquan Group Details
 - 9.8.2 Shengquan Group Major Business
 - 9.8.3 Shengquan Group Ester-Cured Alkaline Phenolic Resins Product and Services
 - 9.8.4 Shengquan Group Ester-Cured Alkaline Phenolic Resins Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.8.5 Shengquan Group Recent Developments/Updates
 - 9.8.6 Shengquan Group Competitive Strengths & Weaknesses
- 9.9 Suzhou Xingye Materials Technology
 - 9.9.1 Suzhou Xingye Materials Technology Details
 - 9.9.2 Suzhou Xingye Materials Technology Major Business
 - 9.9.3 Suzhou Xingye Materials Technology Ester-Cured Alkaline Phenolic Resins Product and Services
 - 9.9.4 Suzhou Xingye Materials Technology Ester-Cured Alkaline Phenolic Resins Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.9.5 Suzhou Xingye Materials Technology Recent Developments/Updates
 - 9.9.6 Suzhou Xingye Materials Technology Competitive Strengths & Weaknesses
- 9.10 Shandong Baofeng New Materials
 - 9.10.1 Shandong Baofeng New Materials Details
 - 9.10.2 Shandong Baofeng New Materials Major Business
 - 9.10.3 Shandong Baofeng New Materials Ester-Cured Alkaline Phenolic Resins Product and Services
 - 9.10.4 Shandong Baofeng New Materials Ester-Cured Alkaline Phenolic Resins Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.10.5 Shandong Baofeng New Materials Recent Developments/Updates
 - 9.10.6 Shandong Baofeng New Materials Competitive Strengths & Weaknesses
- 9.11 Zhejiang Tianqi New Material Technology
 - 9.11.1 Zhejiang Tianqi New Material Technology Details
 - 9.11.2 Zhejiang Tianqi New Material Technology Major Business
 - 9.11.3 Zhejiang Tianqi New Material Technology Ester-Cured Alkaline Phenolic Resins Product and Services
 - 9.11.4 Zhejiang Tianqi New Material Technology Ester-Cured Alkaline Phenolic Resins Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.11.5 Zhejiang Tianqi New Material Technology Recent Developments/Updates
 - 9.11.6 Zhejiang Tianqi New Material Technology Competitive Strengths & Weaknesses
- 9.12 Sichuan Dongshu New Materials

- 9.12.1 Sichuan Dongshu New Materials Details
- 9.12.2 Sichuan Dongshu New Materials Major Business
- 9.12.3 Sichuan Dongshu New Materials Ester-Cured Alkaline Phenolic Resins Product and Services
- 9.12.4 Sichuan Dongshu New Materials Ester-Cured Alkaline Phenolic Resins Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.12.5 Sichuan Dongshu New Materials Recent Developments/Updates
- 9.12.6 Sichuan Dongshu New Materials Competitive Strengths & Weaknesses
- 9.13 Xinda Casting Technology
 - 9.13.1 Xinda Casting Technology Details
 - 9.13.2 Xinda Casting Technology Major Business
 - 9.13.3 Xinda Casting Technology Ester-Cured Alkaline Phenolic Resins Product and Services
 - 9.13.4 Xinda Casting Technology Ester-Cured Alkaline Phenolic Resins Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.13.5 Xinda Casting Technology Recent Developments/Updates
 - 9.13.6 Xinda Casting Technology Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 Ester-Cured Alkaline Phenolic Resins Industry Chain
- 10.2 Ester-Cured Alkaline Phenolic Resins Upstream Analysis
 - 10.2.1 Ester-Cured Alkaline Phenolic Resins Core Raw Materials
 - 10.2.2 Main Manufacturers of Ester-Cured Alkaline Phenolic Resins Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 Ester-Cured Alkaline Phenolic Resins Production Mode
- 10.6 Ester-Cured Alkaline Phenolic Resins Procurement Model
- 10.7 Ester-Cured Alkaline Phenolic Resins Industry Sales Model and Sales Channels
 - 10.7.1 Ester-Cured Alkaline Phenolic Resins Sales Model
 - 10.7.2 Ester-Cured Alkaline Phenolic Resins Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

- 12.1 Methodology
- 12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Ester-Cured Alkaline Phenolic Resins Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Ester-Cured Alkaline Phenolic Resins Production Value by Region (2021-2026) & (USD Million)

Table 3. World Ester-Cured Alkaline Phenolic Resins Production Value by Region (2027-2032) & (USD Million)

Table 4. World Ester-Cured Alkaline Phenolic Resins Production Value Market Share by Region (2021-2026)

Table 5. World Ester-Cured Alkaline Phenolic Resins Production Value Market Share by Region (2027-2032)

Table 6. World Ester-Cured Alkaline Phenolic Resins Production by Region (2021-2026) & (Tons)

Table 7. World Ester-Cured Alkaline Phenolic Resins Production by Region (2027-2032) & (Tons)

Table 8. World Ester-Cured Alkaline Phenolic Resins Production Market Share by Region (2021-2026)

Table 9. World Ester-Cured Alkaline Phenolic Resins Production Market Share by Region (2027-2032)

Table 10. World Ester-Cured Alkaline Phenolic Resins Average Price by Region (2021-2026) & (US\$/Ton)

Table 11. World Ester-Cured Alkaline Phenolic Resins Average Price by Region (2027-2032) & (US\$/Ton)

Table 12. Ester-Cured Alkaline Phenolic Resins Major Market Trends

Table 13. World Ester-Cured Alkaline Phenolic Resins Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Tons)

Table 14. World Ester-Cured Alkaline Phenolic Resins Consumption by Region (2021-2026) & (Tons)

Table 15. World Ester-Cured Alkaline Phenolic Resins Consumption Forecast by Region (2027-2032) & (Tons)

Table 16. World Ester-Cured Alkaline Phenolic Resins Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Ester-Cured Alkaline Phenolic Resins Producers in 2025

Table 18. World Ester-Cured Alkaline Phenolic Resins Production by Manufacturer (2021-2026) & (Tons)

Table 19. Production Market Share of Key Ester-Cured Alkaline Phenolic Resins Producers in 2025

Table 20. World Ester-Cured Alkaline Phenolic Resins Average Price by Manufacturer (2021-2026) & (US\$/Ton)

Table 21. Global Ester-Cured Alkaline Phenolic Resins Company Evaluation Quadrant

Table 22. World Ester-Cured Alkaline Phenolic Resins Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Ester-Cured Alkaline Phenolic Resins Production Site of Key Manufacturer

Table 24. Ester-Cured Alkaline Phenolic Resins Market: Company Product Type Footprint

Table 25. Ester-Cured Alkaline Phenolic Resins Market: Company Product Application Footprint

Table 26. Ester-Cured Alkaline Phenolic Resins Competitive Factors

Table 27. Ester-Cured Alkaline Phenolic Resins New Entrant and Capacity Expansion Plans

Table 28. Ester-Cured Alkaline Phenolic Resins Mergers & Acquisitions Activity

Table 29. United States VS China Ester-Cured Alkaline Phenolic Resins Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Ester-Cured Alkaline Phenolic Resins Production Comparison, (2021 & 2025 & 2032) & (Tons)

Table 31. United States VS China Ester-Cured Alkaline Phenolic Resins Consumption Comparison, (2021 & 2025 & 2032) & (Tons)

Table 32. United States Based Ester-Cured Alkaline Phenolic Resins Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Ester-Cured Alkaline Phenolic Resins Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Ester-Cured Alkaline Phenolic Resins Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Ester-Cured Alkaline Phenolic Resins Production (2021-2026) & (Tons)

Table 36. United States Based Manufacturers Ester-Cured Alkaline Phenolic Resins Production Market Share (2021-2026)

Table 37. China Based Ester-Cured Alkaline Phenolic Resins Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Ester-Cured Alkaline Phenolic Resins Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Ester-Cured Alkaline Phenolic Resins Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Ester-Cured Alkaline Phenolic Resins Production, (2021-2026) & (Tons)

Table 41. China Based Manufacturers Ester-Cured Alkaline Phenolic Resins Production Market Share (2021-2026)

Table 42. Rest of World Based Ester-Cured Alkaline Phenolic Resins Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Ester-Cured Alkaline Phenolic Resins Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Ester-Cured Alkaline Phenolic Resins Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Ester-Cured Alkaline Phenolic Resins Production, (2021-2026) & (Tons)

Table 46. Rest of World Based Manufacturers Ester-Cured Alkaline Phenolic Resins Production Market Share (2021-2026)

Table 47. World Ester-Cured Alkaline Phenolic Resins Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Ester-Cured Alkaline Phenolic Resins Production by Type (2021-2026) & (Tons)

Table 49. World Ester-Cured Alkaline Phenolic Resins Production by Type (2027-2032) & (Tons)

Table 50. World Ester-Cured Alkaline Phenolic Resins Production Value by Type (2021-2026) & (USD Million)

Table 51. World Ester-Cured Alkaline Phenolic Resins Production Value by Type (2027-2032) & (USD Million)

Table 52. World Ester-Cured Alkaline Phenolic Resins Average Price by Type (2021-2026) & (US\$/Ton)

Table 53. World Ester-Cured Alkaline Phenolic Resins Average Price by Type (2027-2032) & (US\$/Ton)

Table 54. World Ester-Cured Alkaline Phenolic Resins Production Value by Curing Agent Composition, (USD Million), 2021 & 2025 & 2032

Table 55. World Ester-Cured Alkaline Phenolic Resins Production by Curing Agent Composition (2021-2026) & (Tons)

Table 56. World Ester-Cured Alkaline Phenolic Resins Production by Curing Agent Composition (2027-2032) & (Tons)

Table 57. World Ester-Cured Alkaline Phenolic Resins Production Value by Curing Agent Composition (2021-2026) & (USD Million)

Table 58. World Ester-Cured Alkaline Phenolic Resins Production Value by Curing Agent Composition (2027-2032) & (USD Million)

Table 59. World Ester-Cured Alkaline Phenolic Resins Average Price by Curing Agent

Composition (2021-2026) & (US\$/Ton)

Table 60. World Ester-Cured Alkaline Phenolic Resins Average Price by Curing Agent Composition (2027-2032) & (US\$/Ton)

Table 61. World Ester-Cured Alkaline Phenolic Resins Production Value by Resin Viscosity (25°C), (USD Million), 2021 & 2025 & 2032

Table 62. World Ester-Cured Alkaline Phenolic Resins Production by Resin Viscosity (25°C) (2021-2026) & (Tons)

Table 63. World Ester-Cured Alkaline Phenolic Resins Production by Resin Viscosity (25°C) (2027-2032) & (Tons)

Table 64. World Ester-Cured Alkaline Phenolic Resins Production Value by Resin Viscosity (25°C) (2021-2026) & (USD Million)

Table 65. World Ester-Cured Alkaline Phenolic Resins Production Value by Resin Viscosity (25°C) (2027-2032) & (USD Million)

Table 66. World Ester-Cured Alkaline Phenolic Resins Average Price by Resin Viscosity (25°C) (2021-2026) & (US\$/Ton)

Table 67. World Ester-Cured Alkaline Phenolic Resins Average Price by Resin Viscosity (25°C) (2027-2032) & (US\$/Ton)

Table 68. World Ester-Cured Alkaline Phenolic Resins Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Ester-Cured Alkaline Phenolic Resins Production by Application (2021-2026) & (Tons)

Table 70. World Ester-Cured Alkaline Phenolic Resins Production by Application (2027-2032) & (Tons)

Table 71. World Ester-Cured Alkaline Phenolic Resins Production Value by Application (2021-2026) & (USD Million)

Table 72. World Ester-Cured Alkaline Phenolic Resins Production Value by Application (2027-2032) & (USD Million)

Table 73. World Ester-Cured Alkaline Phenolic Resins Average Price by Application (2021-2026) & (US\$/Ton)

Table 74. World Ester-Cured Alkaline Phenolic Resins Average Price by Application (2027-2032) & (US\$/Ton)

Table 75. ASK Chemicals Basic Information, Manufacturing Base and Competitors

Table 76. ASK Chemicals Major Business

Table 77. ASK Chemicals Ester-Cured Alkaline Phenolic Resins Product and Services

Table 78. ASK Chemicals Ester-Cured Alkaline Phenolic Resins Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. ASK Chemicals Recent Developments/Updates

Table 80. ASK Chemicals Competitive Strengths & Weaknesses

Table 81. Vesuvius Basic Information, Manufacturing Base and Competitors
Table 82. Vesuvius Major Business
Table 83. Vesuvius Ester-Cured Alkaline Phenolic Resins Product and Services
Table 84. Vesuvius Ester-Cured Alkaline Phenolic Resins Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 85. Vesuvius Recent Developments/Updates
Table 86. Vesuvius Competitive Strengths & Weaknesses
Table 87. HA Group Basic Information, Manufacturing Base and Competitors
Table 88. HA Group Major Business
Table 89. HA Group Ester-Cured Alkaline Phenolic Resins Product and Services
Table 90. HA Group Ester-Cured Alkaline Phenolic Resins Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 91. HA Group Recent Developments/Updates
Table 92. HA Group Competitive Strengths & Weaknesses
Table 93. Kao-Quaker Basic Information, Manufacturing Base and Competitors
Table 94. Kao-Quaker Major Business
Table 95. Kao-Quaker Ester-Cured Alkaline Phenolic Resins Product and Services
Table 96. Kao-Quaker Ester-Cured Alkaline Phenolic Resins Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 97. Kao-Quaker Recent Developments/Updates
Table 98. Kao-Quaker Competitive Strengths & Weaknesses
Table 99. ASAHI YUKIZAI Basic Information, Manufacturing Base and Competitors
Table 100. ASAHI YUKIZAI Major Business
Table 101. ASAHI YUKIZAI Ester-Cured Alkaline Phenolic Resins Product and Services
Table 102. ASAHI YUKIZAI Ester-Cured Alkaline Phenolic Resins Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 103. ASAHI YUKIZAI Recent Developments/Updates
Table 104. ASAHI YUKIZAI Competitive Strengths & Weaknesses
Table 105. Çukurova Kimya Basic Information, Manufacturing Base and Competitors
Table 106. Çukurova Kimya Major Business
Table 107. Çukurova Kimya Ester-Cured Alkaline Phenolic Resins Product and Services
Table 108. Çukurova Kimya Ester-Cured Alkaline Phenolic Resins Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Çukurova Kimya Recent Developments/Updates
Table 110. Çukurova Kimya Competitive Strengths & Weaknesses
Table 111. Forace Basic Information, Manufacturing Base and Competitors
Table 112. Forace Major Business
Table 113. Forace Ester-Cured Alkaline Phenolic Resins Product and Services
Table 114. Forace Ester-Cured Alkaline Phenolic Resins Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 115. Forace Recent Developments/Updates
Table 116. Forace Competitive Strengths & Weaknesses
Table 117. Shengquan Group Basic Information, Manufacturing Base and Competitors
Table 118. Shengquan Group Major Business
Table 119. Shengquan Group Ester-Cured Alkaline Phenolic Resins Product and Services
Table 120. Shengquan Group Ester-Cured Alkaline Phenolic Resins Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 121. Shengquan Group Recent Developments/Updates
Table 122. Shengquan Group Competitive Strengths & Weaknesses
Table 123. Suzhou Xingye Materials Technology Basic Information, Manufacturing Base and Competitors
Table 124. Suzhou Xingye Materials Technology Major Business
Table 125. Suzhou Xingye Materials Technology Ester-Cured Alkaline Phenolic Resins Product and Services
Table 126. Suzhou Xingye Materials Technology Ester-Cured Alkaline Phenolic Resins Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 127. Suzhou Xingye Materials Technology Recent Developments/Updates
Table 128. Suzhou Xingye Materials Technology Competitive Strengths & Weaknesses
Table 129. Shandong Baofeng New Materials Basic Information, Manufacturing Base and Competitors
Table 130. Shandong Baofeng New Materials Major Business
Table 131. Shandong Baofeng New Materials Ester-Cured Alkaline Phenolic Resins Product and Services
Table 132. Shandong Baofeng New Materials Ester-Cured Alkaline Phenolic Resins Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 133. Shandong Baofeng New Materials Recent Developments/Updates
Table 134. Shandong Baofeng New Materials Competitive Strengths & Weaknesses

Table 135. Zhejiang Tianqi New Material Technology Basic Information, Manufacturing Base and Competitors
Table 136. Zhejiang Tianqi New Material Technology Major Business
Table 137. Zhejiang Tianqi New Material Technology Ester-Cured Alkaline Phenolic Resins Product and Services
Table 138. Zhejiang Tianqi New Material Technology Ester-Cured Alkaline Phenolic Resins Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 139. Zhejiang Tianqi New Material Technology Recent Developments/Updates
Table 140. Zhejiang Tianqi New Material Technology Competitive Strengths & Weaknesses
Table 141. Sichuan Dongshu New Materials Basic Information, Manufacturing Base and Competitors
Table 142. Sichuan Dongshu New Materials Major Business
Table 143. Sichuan Dongshu New Materials Ester-Cured Alkaline Phenolic Resins Product and Services
Table 144. Sichuan Dongshu New Materials Ester-Cured Alkaline Phenolic Resins Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 145. Sichuan Dongshu New Materials Recent Developments/Updates
Table 146. Sichuan Dongshu New Materials Competitive Strengths & Weaknesses
Table 147. Xinda Casting Technology Basic Information, Manufacturing Base and Competitors
Table 148. Xinda Casting Technology Major Business
Table 149. Xinda Casting Technology Ester-Cured Alkaline Phenolic Resins Product and Services
Table 150. Xinda Casting Technology Ester-Cured Alkaline Phenolic Resins Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 151. Xinda Casting Technology Recent Developments/Updates
Table 152. Xinda Casting Technology Competitive Strengths & Weaknesses
Table 153. Global Key Players of Ester-Cured Alkaline Phenolic Resins Upstream (Raw Materials)
Table 154. Global Ester-Cured Alkaline Phenolic Resins Typical Customers
Table 155. Ester-Cured Alkaline Phenolic Resins Typical Distributors

List Of Figures

LIST OF FIGURES

- Figure 1. Ester-Cured Alkaline Phenolic Resins Picture
- Figure 2. World Ester-Cured Alkaline Phenolic Resins Production Value: 2021 & 2025 & 2032, (USD Million)
- Figure 3. World Ester-Cured Alkaline Phenolic Resins Production Value and Forecast (2021-2032) & (USD Million)
- Figure 4. World Ester-Cured Alkaline Phenolic Resins Production (2021-2032) & (Tons)
- Figure 5. World Ester-Cured Alkaline Phenolic Resins Average Price (2021-2032) & (US\$/Ton)
- Figure 6. World Ester-Cured Alkaline Phenolic Resins Production Value Market Share by Region (2021-2032)
- Figure 7. World Ester-Cured Alkaline Phenolic Resins Production Market Share by Region (2021-2032)
- Figure 8. North America Ester-Cured Alkaline Phenolic Resins Production (2021-2032) & (Tons)
- Figure 9. Europe Ester-Cured Alkaline Phenolic Resins Production (2021-2032) & (Tons)
- Figure 10. China Ester-Cured Alkaline Phenolic Resins Production (2021-2032) & (Tons)
- Figure 11. Japan Ester-Cured Alkaline Phenolic Resins Production (2021-2032) & (Tons)
- Figure 12. India Ester-Cured Alkaline Phenolic Resins Production (2021-2032) & (Tons)
- Figure 13. Ester-Cured Alkaline Phenolic Resins Market Drivers
- Figure 14. Factors Affecting Demand
- Figure 15. World Ester-Cured Alkaline Phenolic Resins Consumption (2021-2032) & (Tons)
- Figure 16. World Ester-Cured Alkaline Phenolic Resins Consumption Market Share by Region (2021-2032)
- Figure 17. United States Ester-Cured Alkaline Phenolic Resins Consumption (2021-2032) & (Tons)
- Figure 18. China Ester-Cured Alkaline Phenolic Resins Consumption (2021-2032) & (Tons)
- Figure 19. Europe Ester-Cured Alkaline Phenolic Resins Consumption (2021-2032) & (Tons)
- Figure 20. Japan Ester-Cured Alkaline Phenolic Resins Consumption (2021-2032) & (Tons)

Figure 21. South Korea Ester-Cured Alkaline Phenolic Resins Consumption (2021-2032) & (Tons)

Figure 22. ASEAN Ester-Cured Alkaline Phenolic Resins Consumption (2021-2032) & (Tons)

Figure 23. India Ester-Cured Alkaline Phenolic Resins Consumption (2021-2032) & (Tons)

Figure 24. Producer Shipments of Ester-Cured Alkaline Phenolic Resins by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 25. Global Four-firm Concentration Ratios (CR4) for Ester-Cured Alkaline Phenolic Resins Markets in 2025

Figure 26. Global Four-firm Concentration Ratios (CR8) for Ester-Cured Alkaline Phenolic Resins Markets in 2025

Figure 27. United States VS China: Ester-Cured Alkaline Phenolic Resins Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Ester-Cured Alkaline Phenolic Resins Production Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: Ester-Cured Alkaline Phenolic Resins Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States Based Manufacturers Ester-Cured Alkaline Phenolic Resins Production Market Share 2025

Figure 31. China Based Manufacturers Ester-Cured Alkaline Phenolic Resins Production Market Share 2025

Figure 32. Rest of World Based Manufacturers Ester-Cured Alkaline Phenolic Resins Production Market Share 2025

Figure 33. World Ester-Cured Alkaline Phenolic Resins Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 34. World Ester-Cured Alkaline Phenolic Resins Production Value Market Share by Type in 2025

Figure 35. Fast-setting Type (?30 min)

Figure 36. Medium-setting Type (>30–60 min)

Figure 37. Slow-setting Type (>60 min)

Figure 38. World Ester-Cured Alkaline Phenolic Resins Production Market Share by Type (2021-2032)

Figure 39. World Ester-Cured Alkaline Phenolic Resins Production Value Market Share by Type (2021-2032)

Figure 40. World Ester-Cured Alkaline Phenolic Resins Average Price by Type (2021-2032) & (US\$/Ton)

Figure 41. World Ester-Cured Alkaline Phenolic Resins Production Value by Curing Agent Composition, (USD Million), 2021 & 2025 & 2032

Figure 42. World Ester-Cured Alkaline Phenolic Resins Production Value Market Share by Curing Agent Composition in 2025

Figure 43. Single Organic Ester

Figure 44. Composite Organic Ester

Figure 45. World Ester-Cured Alkaline Phenolic Resins Production Market Share by Curing Agent Composition (2021-2032)

Figure 46. World Ester-Cured Alkaline Phenolic Resins Production Value Market Share by Curing Agent Composition (2021-2032)

Figure 47. World Ester-Cured Alkaline Phenolic Resins Average Price by Curing Agent Composition (2021-2032) & (US\$/Ton)

Figure 48. World Ester-Cured Alkaline Phenolic Resins Production Value by Resin Viscosity (25°C), (USD Million), 2021 & 2025 & 2032

Figure 49. World Ester-Cured Alkaline Phenolic Resins Production Value Market Share by Resin Viscosity (25°C) in 2025

Figure 50. Low Viscosity (<60 mPa·s)

Figure 51. Medium Viscosity (60–150 mPa·s)

Figure 52. High Viscosity (>150 mPa·s)

Figure 53. World Ester-Cured Alkaline Phenolic Resins Production Market Share by Resin Viscosity (25°C) (2021-2032)

Figure 54. World Ester-Cured Alkaline Phenolic Resins Production Value Market Share by Resin Viscosity (25°C) (2021-2032)

Figure 55. World Ester-Cured Alkaline Phenolic Resins Average Price by Resin Viscosity (25°C) (2021-2032) & (US\$/Ton)

Figure 56. World Ester-Cured Alkaline Phenolic Resins Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 57. World Ester-Cured Alkaline Phenolic Resins Production Value Market Share by Application in 2025

Figure 58. Steel Castings

Figure 59. Iron Castings

Figure 60. Non-ferrous Metal Castings

Figure 61. Others

Figure 62. World Ester-Cured Alkaline Phenolic Resins Production Market Share by Application (2021-2032)

Figure 63. World Ester-Cured Alkaline Phenolic Resins Production Value Market Share by Application (2021-2032)

Figure 64. World Ester-Cured Alkaline Phenolic Resins Average Price by Application (2021-2032) & (US\$/Ton)

Figure 65. Ester-Cured Alkaline Phenolic Resins Industry Chain

Figure 66. Ester-Cured Alkaline Phenolic Resins Procurement Model

Figure 67. Ester-Cured Alkaline Phenolic Resins Sales Model

Figure 68. Ester-Cured Alkaline Phenolic Resins Sales Channels, Direct Sales, and Distribution

Figure 69. Methodology

Figure 70. Research Process and Data Source

I would like to order

Product name: Global Ester-Cured Alkaline Phenolic Resins Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GF5FF71D5DC7EN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GF5FF71D5DC7EN.html>