+357 96 030922
info@marketpublishers.com

# Global High-temperature Automotive-grade Film Capacitor Supply, Demand and Key Producers, 2026-2032

https://marketpublishers.com/r/G3B6BD7A20ABEN.html
Date: June 2026
Pages: 116
Price: US$ 4,480.00 (Single User License)
ID: G3B6BD7A20ABEN

## Abstracts

The global High-temperature Automotive-grade Film Capacitor market size is expected to reach $ 1893 million by 2032, rising at a market growth of 8.3% CAGR during the forecast period (2026-2032).

High-temperature Automotive-grade Film Capacitor is a high-reliability automotive film capacitor designed for high-temperature and high-voltage vehicle electronic systems, mainly covering DC-link film capacitors, EMI suppression film capacitors, and snubber film capacitors used in automotive power conversion and electronic control circuits. Through metallized polypropylene dielectric structures, the product provides stable voltage smoothing, ripple current absorption, electromagnetic interference suppression, and transient voltage protection under harsh automotive operating conditions. Compared with conventional automotive capacitors, it offers stronger heat resistance, better long-term capacitance stability, and improved reliability in continuous high-temperature environments. Its advantages include strong interference suppression capability, long service life, high safety reliability, low dielectric loss, and stable capacitance performance. In 2025, production was 175 million units and the average price was USD 6 per unit. The industry’s capacity utilization rate in 2025 was about 80% and the average gross margin was around 30%. Upstream, the core inputs for High-temperature Automotive-grade Film Capacitor are polypropylene base film, especially BOPP film, and aluminum metallized coating materials, with representative suppliers including Toray Industries, Toyobo, Bollor?, Steinerfilm, Anhui Tongfeng Electronics, Xiamen Faratronic, and Chalco providing key film and metal material support. The midstream segment focuses on base film pretreatment, vacuum metallization, precision winding, thermal pressing, spraying, encapsulation, aging, automotive-grade reliability testing, and high-temperature performance validation, which

+357 96 030922
info@marketpublishers.com

determine self-healing capability, insulation strength, capacitance stability, and long-term operating reliability. Downstream, High-temperature Automotive-grade Film Capacitor is mainly used in automotive applications, with representative customers including Tesla, Toyota, Volkswagen, BYD, Hyundai Motor, BMW, and Mercedes-Benz.

High-temperature Automotive-grade Film Capacitor will gain more use as electric vehicles place higher thermal and electrical stress on DC-link, EMI suppression, and snubber capacitor positions. In traction inverters, on-board chargers, DC-DC converters, and electric drive control circuits, it helps stabilize voltage, suppress interference, absorb transient energy, and maintain capacitance stability under high-temperature conditions. Future development will be driven by 800V platforms, higher power density modules, fast-charging systems, and stricter automotive reliability requirements, with product upgrades focusing on heat endurance, low loss, long life, and stable operation in compact power electronics.

This report studies the global High-temperature Automotive-grade Film Capacitor production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for High-temperature Automotive-grade Film Capacitor 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 High-temperature Automotive-grade Film Capacitor that contribute to its increasing demand across many markets.

Highlights and key features of the study
Global High-temperature Automotive-grade Film Capacitor total production and demand, 2021-2032, (K Units)
Global High-temperature Automotive-grade Film Capacitor total production value, 2021-2032, (USD Million)
Global High-temperature Automotive-grade Film Capacitor production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)
Global High-temperature Automotive-grade Film Capacitor consumption by region & country, CAGR, 2021-2032 & (K Units)
U.S. VS China: High-temperature Automotive-grade Film Capacitor domestic production, consumption, key domestic manufacturers and share
Global High-temperature Automotive-grade Film Capacitor production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

+357 96 030922
info@marketpublishers.com

Global High-temperature Automotive-grade Film Capacitor production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)
Global High-temperature Automotive-grade Film Capacitor production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global High-temperature Automotive-grade Film Capacitor 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 Panasonic (Japan), Yageo (Taiwan), Xiamen Faratronic (China), Anhui Tongfeng Electronic (China), Nichicon (Japan), TDK Corporation (Japan), Eagtop (China), Nantong Jianghai Capacitor (China), Guangdong Fengming Electronic Technology (China), Vishay (USA), 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 High-temperature Automotive-grade Film Capacitor market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K Units) and average price (US$/Unit) 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 High-temperature Automotive-grade Film Capacitor Market, By Region:

United States

China

Europe

Japan

South Korea

+357 96 030922
info@marketpublishers.com

ASEAN

India

Rest of World

Global High-temperature Automotive-grade Film Capacitor Market, Segmentation by Type:

DC-Link Film Capacitor

EMI Suppression Film Capacitor

Snubber Film Capacitor

Others

Global High-temperature Automotive-grade Film Capacitor Market, Segmentation by Capacitance Range:

Capacitance

+357 96 030922
info@marketpublishers.com

# Contents

+357 96 030922
info@marketpublishers.com



## 3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

+357 96 030922
info@marketpublishers.com



## 4 UNITED STATES VS CHINA VS REST OF THE WORLD

+357 96 030922
info@marketpublishers.com



## 5 MARKET ANALYSIS BY TYPE



## 6 MARKET ANALYSIS BY CAPACITANCE RANGE

+357 96 030922
info@marketpublishers.com

# List Of Tables

## LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

# List Of Figures

## LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

## I would like to order

Product name: Global High-temperature Automotive-grade Film Capacitor Supply, Demand and Key Producers, 2026-2032

Product link: https://marketpublishers.com/r/G3B6BD7A20ABEN.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/G3B6BD7A20ABEN.html