

# **Global Thermoplastic Vulcanizates Market Size Study, by Processing Method (Injection Molding, Extrusion), by Application (Automotive, Footwear, Consumer Goods, Fluid Handling, Medical), and Regional Forecasts 2022-2032**

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## **Abstracts**

The Global Thermoplastic Vulcanizates Market, valued at approximately USD 2.77 billion in 2023, is projected to witness a robust CAGR of 6.50% over the forecast period from 2024 to 2032. Thermoplastic vulcanizates (TPVs), known for their exceptional elasticity, processability, and resistance to heat and chemicals, are increasingly being utilized across diverse industries. These materials, which combine the benefits of vulcanized rubber and thermoplastics, cater to demanding applications in the automotive, medical, and consumer goods sectors. With evolving market dynamics, TPVs have established their place as the material of choice for manufacturers aiming for sustainability and performance enhancement.

The market growth is significantly propelled by the increasing adoption of TPVs in the automotive industry, where lightweight materials are sought to enhance fuel efficiency and reduce emissions. Meanwhile, medical applications leverage TPVs for their biocompatibility and sterilization compatibility, aligning with the sector's stringent regulatory standards. Advancements in injection molding and extrusion processes have further facilitated cost-effective production, enabling wider adoption. Despite facing challenges such as high initial investment costs and competition from conventional elastomers, the market is buoyed by a surge in R&D initiatives and strategic partnerships aimed at expanding TPV applications.

Regionally, Asia-Pacific emerges as the fastest-growing market, driven by rapid industrialization, an expanding automotive industry, and rising disposable incomes in

countries like China, India, and South Korea. North America, on the other hand, remains a significant contributor, supported by the presence of established market players and a strong emphasis on innovation. Europe demonstrates steady growth due to stringent environmental regulations and increased demand for sustainable materials, particularly in automotive and fluid handling applications. Latin America and the Middle East & Africa exhibit promising potential as industries in these regions increasingly embrace advanced materials to meet evolving consumer demands.

Major market players included in this report are:

ExxonMobil Chemical Company

JSR Corporation

Mitsui Chemicals, Inc.

Teknor Apex Company

RTP Company

Celanese Corporation

Kraiburg TPE GmbH

Dynasol Group

LG Chem Ltd.

Dow Inc.

DuPont

PolyOne Corporation

Sumitomo Chemical Co., Ltd.

Hexpol AB

Zeon Corporation

The detailed segments and sub-segment of the market are explained below:

By Processing Method:

Injection Molding

Extrusion

By Application:

Automotive

Footwear

Consumer Goods

Fluid Handling

Medical

By Region:

North America:

U.S.

Canada

Europe:

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific:

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America:

Brazil

Mexico

Middle East & Africa:

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical year: 2022

Base year: 2023

Forecast period: 2024 to 2032

#### Key Takeaways:

Market estimates and forecasts for 10 years from 2022 to 2032.

Annualized revenues and regional-level analysis for each market segment.

Comprehensive insights into geographical trends with country-specific analysis.

Detailed competitive landscape featuring major industry players.

Strategic recommendations and forward-looking insights for stakeholders.

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