

Global Thermoplastic Elastomers Market Size Study, by Type (SBC, TPU, TPO, TPV, COPE, PEBA), by End-Use Industry (Automotive, Building & Construction, Footwear, Wire & Cable, Medical, Engineering), and Regional Forecasts 2022-2032

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Abstracts

The global Thermoplastic Elastomers (TPE) market is valued at approximately USD 26.9 billion in 2023 and is anticipated to grow with a steady CAGR of 5.60% over the forecast period 2024-2032. Thermoplastic elastomers represent a versatile class of polymers that combine the processing advantages of plastics with the elasticity and durability of rubber. These materials are highly sought after for their unique properties, such as resistance to abrasion, flexibility, and the ability to withstand extreme temperatures, making them indispensable in various industrial applications. The growing demand for lightweight and recyclable materials is further propelling the adoption of TPE across multiple sectors, including automotive, medical, and construction.

The automotive sector continues to dominate as the primary end-use industry for TPEs, driven by the increasing need for lightweight materials to enhance fuel efficiency and reduce carbon emissions. Thermoplastic elastomers are extensively used in manufacturing automotive components such as seals, gaskets, and interior trim, ensuring optimal performance and durability. Furthermore, advancements in TPE formulations are paving the way for their integration into high-performance applications, such as medical devices and footwear, where superior comfort, biocompatibility, and design flexibility are paramount.

Despite the market's promising growth trajectory, challenges such as fluctuating raw material prices and the complexities associated with recycling thermoplastic elastomers

are constraining its full potential. However, the industry is witnessing a paradigm shift towards the development of sustainable TPE grades, leveraging bio-based raw materials and innovative processing techniques. These advancements are not only addressing environmental concerns but also creating new growth avenues in emerging markets.

Regionally, Asia-Pacific stands out as a key growth driver for the global thermoplastic elastomers market, attributed to rapid industrialization, a booming automotive industry, and expanding construction activities. China and India are emerging as lucrative markets due to their robust manufacturing ecosystems and increasing infrastructure investments. Meanwhile, North America and Europe maintain their significant shares in the global market, supported by technological advancements and stringent regulations promoting the use of sustainable materials.

Major market players included in this report are:

BASF SE

The Dow Chemical Company

Kraton Corporation

Asahi Kasei Corporation

Arkema S.A.

Covestro AG

Evonik Industries AG

Teknor Apex Company

Lubrizol Corporation

Mitsubishi Chemical Holdings Corporation

Tosoh Corporation

RTP Company

LG Chem Ltd.

Huntsman Corporation

Zeon Corporation

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

By Type:

SBC

TPU

TPO

TPV

COPE

PEBA

By End-Use Industry:

Automotive

Building & Construction

Footwear

Wire & Cable

Medical

Engineering

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

Rest of Latin America

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 & Forecast for 10 years from 2022 to 2032.

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

Detailed analysis of the geographical landscape with country-level insights.

Competitive landscape with information on major market players.

Analysis of key business strategies and recommendations for future market approaches.

Examination of the competitive structure of the market.

Demand-side and supply-side analysis.

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