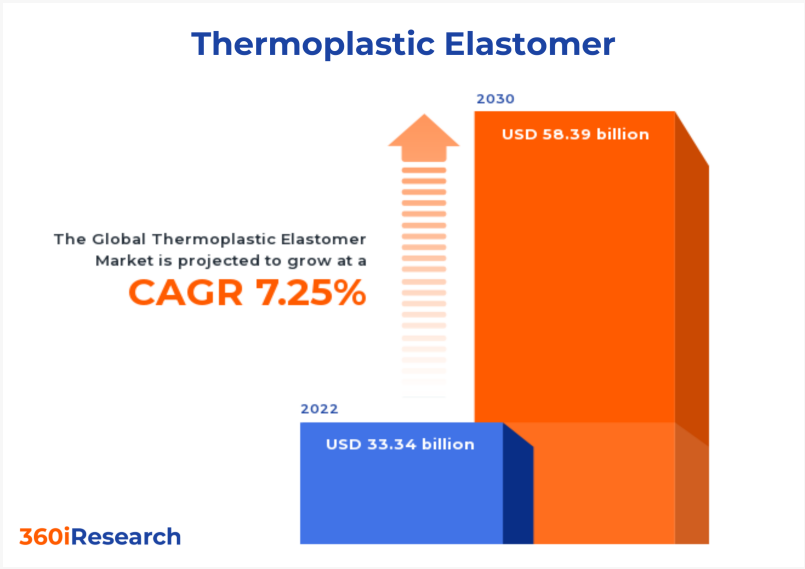
Thermoplastic Elastomer Market worth $58.39 billion by 2030 - Exclusive Report by 360iResearch

The Global Thermoplastic Elastomer Market to grow from USD 33.34 billion in 2022 to USD 58.39 billion by 2030, at a CAGR of 7.25%.

PUNE, MAHARASHTRA, INDIA, November 9, 2023 /EINPresswire.com/ -- The "Thermoplastic Elastomer Market by Type (Copolyester Ether Elastomers, Polyether Block Amide Elastomers, Styrenic Block Copolymer), End Use Industry (Aerospace & Defense, Automotive, Building & Construction) - Global Forecast 2023-2030" report has been added to 360iResearch.com's offering.



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Thermoplastic elastomers (TPE) are a versatile class of high-performance polymer materials that combine the properties of thermoplastics and elastomers. These materials offer exceptional processing flexibility, recyclability, and durability in various applications such as automotive, consumer goods, medical devices, construction, packaging, footwear, and electronics. Key growth factors driving the TPE market include increasing demand for lightweight automobile materials to enhance fuel efficiency and reduce carbon emissions, along with using TPEs in medical devices due to their biocompatibility, versatility, and sterilizability. Moreover, rapid urbanization and growing industrialization increase demand for TPE products in construction applications such as roofing membranes and sealants. However, high manufacturing costs

associated with using advanced material technologies and volatile raw material prices hinder the market's growth. However, innovation in biodegradable and biobased TPEs and increasing applications of thermoplastic elastomers across various industries due to material enhancements using advanced technologies are expected to bolster the market growth.

Type: Proliferating use of thermoplastic elastomer in high-performance and heat resistance applications

Copolyester ether elastomers (COPE) are a class of high-performance thermoplastic elastomers that offer superior mechanical properties, superior heat and chemical resistance, and excellent durability. Polyether block amide elastomers (PEBA) are known for their flexibility and resilience at extreme temperatures, making them suitable for aerospace components and medical devices. In addition, these elastomers exhibit good hydrolytic stability and resistance to chemicals. Styrenic block copolymers (SBC) have a unique combination of high elasticity, excellent processing characteristics, and compatibility with various polymers. SBCs are widely used as thermoplastic rubber substitutes in applications such as adhesives, sealants, footwear soles, and asphalt modification. Thermoplastic polyolefins (TPO) balance processability, durability, and cost-effectiveness. TPOs are highly preferred in the automotive industry for their lightweight and recyclable nature, contributing to improved fuel efficiency. Moreover, thermoplastic polyurethanes (TPU) are versatile elastomers known for their excellent abrasion resistance, flexibility over a broad temperature range, and compatibility with various processing techniques. TPUs find applications in footwear, electronics, medical devices, and automotive components.

End Use Industry: Growing demand for TPE in engineering and automotive industries to manufacture lightweight and durable products

In the aerospace and defense industry, thermoplastic elastomers (TPEs) are preferred due to their excellent chemical resistance, low-temperature flexibility, and lightweight nature. TPEs have significant demand in the automotive industry due to their durability, recyclability, and customization potential. They are used in multiple components, such as door seals, interior trim parts, airbag covers, and under-the-hood components. The building construction sector utilizes TPEs for waterproofing membranes, window gaskets/seals, flooring materials, and pipe seals due to their weather resistance and flexibility over a wide temperature range. The medical industry uses TPEs for various applications such as catheters, syringe stoppers, and medical tubing due to their biocompatibility, sterilizability, and ease of processing. In the engineering sector, TPEs are used in industrial parts, power tools, and electronics due to their mechanical strength, electrical insulating properties, and ability to withstand harsh environments.

Regional Insights:

The thermoplastic elastomer (TPE) market in the Americas has a significant landscape owing to its rising use in major industries such as automotive, construction, medical devices, consumer goods, and packaging. Significant investments by the government in infrastructure development projects have fueled the growth of TPE in the Americas. The government's strong focus on environmental regulations in the EMEA region drives demand for biodegradable TPE solutions. The policies on reducing plastic waste by the European Union have encouraged researchers to

develop innovative solutions, such as thermoplastic elastomers, which have significantly contributed to the growth of the market in the region. The thermoplastic elastomers market is emerging in APAC due to rapid industrialization and its surging use in the automotive, electronics, construction, and medical devices sectors. Supportive Government initiatives are implemented in the domestic production of TPE with rising investment in research and development (R&D) activities to cater to the increasing demand for high-performance materials of TPE. The Asia-Pacific region witnessed a surge in research partnerships between local and foreign institutions to develop innovative TPE solutions.

FPNV Positioning Matrix:

The FPNV Positioning Matrix is essential for assessing the Thermoplastic Elastomer Market. It provides a comprehensive evaluation of vendors by examining key metrics within Business Strategy and Product Satisfaction, allowing users to make informed decisions based on their specific needs. This advanced analysis then organizes these vendors into four distinct quadrants, which represent varying levels of success: Forefront (F), Pathfinder (P), Niche (N), or Vital(V).

Market Share Analysis:

The Market Share Analysis offers an insightful look at the current state of vendors in the Thermoplastic Elastomer Market. By comparing vendor contributions to overall revenue, customer base, and other key metrics, we can give companies a greater understanding of their performance and what they are up against when competing for market share. The analysis also sheds light on just how competitive any given sector is about accumulation, fragmentation dominance, and amalgamation traits over the base year period studied.

Key Company Profiles:

The report delves into recent significant developments in the Thermoplastic Elastomer Market, highlighting leading vendors and their innovative profiles. These include Arkema S.A., Asahi Kasei Corporation, Aurora Plastics, LLC, Avient Corporation, BASF SE, Biesterfeld AG, Celanese Corporation, China Petroleum & Chemical Corporation, Covestro AG, Distrupol Limited, DuPont de Nemours, Inc., Elastron Kimya Sanayi ve Ticaret A.Ş., Evonik Industries AG, Exxon Mobil Corporation, Huntsman International LLC, KRAIBURG TPE, Kraton Corporation by DL Chemical Co., Ltd., LCY Chemical Corp., Lubrizol Corporation, LyondellBasell Industries N.V., Mitsubishi Chemical Holdings Corporation, Mitsui Chemicals, Inc., Moriroku Chemicals Company, Ltd., RTP Company, Shin-Etsu Polymer Co., Ltd., SIBUR International GmbH, Teknor Apex Company, Inc., The Dow Chemical Company, Tosoh Corporation, TSRC Corporation, and Zeon Corporation.

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Market Segmentation & Coverage:

This research report categorizes the Thermoplastic Elastomer Market in order to forecast the revenues and analyze trends in each of following sub-markets:

Based on Type, market is studied across Copolyester Ether Elastomers, Polyether Block Amide Elastomers, Styrenic Block Copolymer, Thermoplastic Polyolefins, Thermoplastic Polyurethane, and Thermoplastic Vulcanizates. The Thermoplastic Polyolefins commanded largest market share of 21.23% in 2022, followed by Thermoplastic Polyurethane.

Based on End Use Industry, market is studied across Aerospace & Defense, Automotive, Building & Construction, Consumer Goods & Sports, Engineering, Medical, and Wires & Cables. The Consumer Goods & Sports commanded largest market share of 15.32% in 2022, followed by Automotive.

Based on Region, market is studied across Americas, Asia-Pacific, and Europe, Middle East & Africa. The Americas is further studied across Argentina, Brazil, Canada, Mexico, and United States. The United States is further studied across California, Florida, Illinois, New York, Ohio, Pennsylvania, and Texas. The Asia-Pacific is further studied across Australia, China, India, Indonesia, Japan, Malaysia, Philippines, Singapore, South Korea, Taiwan, Thailand, and Vietnam. The Europe, Middle East & Africa is further studied across Denmark, Egypt, Finland, France, Germany, Israel, Italy, Netherlands, Nigeria, Norway, Poland, Qatar, Russia, Saudi Arabia, South Africa, Spain, Sweden, Switzerland, Turkey, United Arab Emirates, and United Kingdom. The Asia-Pacific commanded largest market share of 42.12% in 2022, followed by Europe, Middle East & Africa.

Key Topics Covered:

1. Preface
2. Research Methodology
3. Executive Summary
4. Market Overview
5. Market Insights
6. Thermoplastic Elastomer Market, by Type
7. Thermoplastic Elastomer Market, by End Use Industry
8. Americas Thermoplastic Elastomer Market
9. Asia-Pacific Thermoplastic Elastomer Market
10. Europe, Middle East & Africa Thermoplastic Elastomer Market
11. Competitive Landscape
12. Competitive Portfolio
13. Appendix

The report provides insights on the following pointers:
1. Market Penetration: Provides comprehensive information on the market offered by the key

players
2. Market Development: Provides in-depth information about lucrative emerging markets and analyzes penetration across mature segments of the markets
3. Market Diversification: Provides detailed information about new product launches, untapped geographies, recent developments, and investments
4. Competitive Assessment & Intelligence: Provides an exhaustive assessment of market shares, strategies, products, certification, regulatory approvals, patent landscape, and manufacturing capabilities of the leading players
5. Product Development & Innovation: Provides intelligent insights on future technologies, R&D activities, and breakthrough product developments

The report answers questions such as:
1. What is the market size and forecast of the Thermoplastic Elastomer Market?
2. Which are the products/segments/applications/areas to invest in over the forecast period in the Thermoplastic Elastomer Market?
3. What is the competitive strategic window for opportunities in the Thermoplastic Elastomer Market?
4. What are the technology trends and regulatory frameworks in the Thermoplastic Elastomer Market?
5. What is the market share of the leading vendors in the Thermoplastic Elastomer Market?
6. What modes and strategic moves are considered suitable for entering the Thermoplastic Elastomer Market?

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