

Global Thermoplastic Elastomers Market

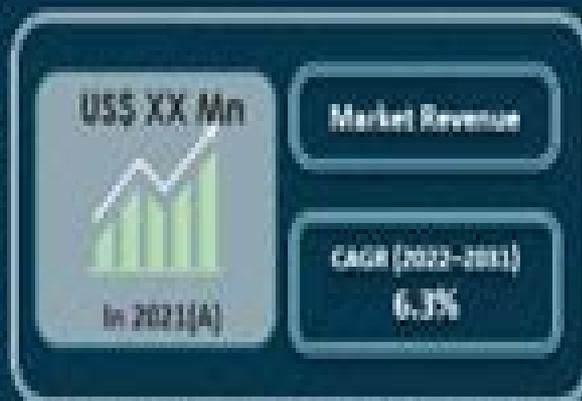
Market Drivers

- Rise in Demand for Thermoplastic Elastomers in Automotive Industry
- Increase in Demand for Thermoplastic Elastomers in Building & Construction Sector

By Type

- Block Copolymers
- Relatively High CAGR of 6.6%

By End-use



Opportunities

- Applications of Thermoplastic Elastomers in Medical Field

Key Players

- Zylig Plastalloy
- Avul Kasei Corporation
- INOAC CORPORATION
- DIC Creative Polymer

By Region

- Asia Pacific
 - Largest market share in 2021
- North America
 - Relatively High CAGR of 6.1% from 2022 to 2031



Thermoplastic Elastomers Market

Patrick Vollmar



Thermoplastic Elastomers Market:

Thermoplastic Elastomers, 1988 *Thermoplastic Elastomers* J. A. Brydson, 1995 The nature and general properties of TPE s are explained and the classes of materials considered in turn include styrenic block copolymers polyether esters polyamides polyurethanes polyolefins and other miscellaneous systems Developments in specific market sectors are also outlined The review is supported by an extensive References and Abstracts section containing over 400 abstracts which provide a great deal more information on these useful materials [Advances in Thermoplastic Elastomers](#) Nikhil K. Singha, Sadhan C. Jana, 2024-01-24 *Advances in Thermoplastic Elastomers Challenges and Opportunities* brings together the state of the art in thermoplastic elastomers TPEs covering innovative materials synthesis techniques processing methods and sustainability Sections outline thermoplastic elastomers rubber elastic and thermoplastic vulcanizates and review the current landscape from research and published literature to commercialization and patents Subsequent chapters offer methodical coverage of different categories of advanced thermoplastic elastomer materials including areas such as polyolefin based TPEs and high performance TPEs The final chapters in the book examine options for sustainability including bio based bio resourced and biodegradable TPEs as well as circular economy and recycling of TPEs Finally outlook and future market and research trends are reviewed This is a valuable book for researchers and advanced students working with elastomers polymer science materials chemistry and materials engineering In an industrial setting this is an essential resource for R D professionals scientists and engineers looking to utilize thermoplastic elastomers in a range of advanced applications Focuses on novel materials such as polyolefin based TPEs fluorinated TPEs silicone based TPEs and ionic TPEs Discusses sustainability in terms of bio based or biocompatible TPEs recycling and the circular economy Helps bridge the gap between research and commercialization reviewing patents literature trends and market **Handbook of Thermoplastic Elastomers** Jiri George Drobný, 2014-05-30 *Handbook of Thermoplastic Elastomers Second Edition* presents a comprehensive working knowledge of thermoplastic elastomers TPEs providing an essential introduction for those learning the basics but also detailed engineering data and best practice guidance for those already involved in polymerization processing and part manufacture TPEs use short cost effective production cycles with reduced energy consumption compared to other polymers and are used in a range of industries including automotive medical construction and many more This handbook provides all the practical information engineers need to successfully utilize this material group in their products as well as the required knowledge to thoroughly ground themselves in the fundamental chemistry of TPEs The data tables included in this book assist engineers and scientists in both selecting and processing the materials for a given product or application In the second edition of this handbook all chapters have been reviewed and updated New polymers and applications have been added particularly in the growing automotive and medical fields and changes in chemistry and processing technology are covered Provides essential knowledge of the chemistry processing properties and applications for

both new and established technical professionals in any industry utilizing TPEs Datasheets provide at a glance processing and technical information for a wide range of commercial TPEs and compounds saving readers the need to contact suppliers Includes data on additional materials and applications particularly in automotive and medical industries *New Opportunities for Thermoplastic Elastomers 2000* ,2000 Thermoplastic Elastomers III ,1991 **Polymers, Ceramics, Composites Alert** ,1992 *The Impact of Thermoplastic Elastomers OnThe U.S. Automotive Market* M. Wright,1985 *Automotive Engineering* ,1989 *Handbook of Plastics, Elastomers, and Composites* Charles A. Harper,1992 Aiming to provide a broad range of new industrial techniques and developments this book presents the latest information data and guidelines It also categorizes plastics and elastics identifies the materials in each category and presents the advantages of each for major products *Predicasts F & S Index United States* Predicasts, inc,1992 A comprehensive index to company and industry information in business journals **Thermoplastic Elastomers** P. W. Dufton,1996 Tomorrow's Petrochemicals European Chemical Marketing Research Association. International Conference,European Chemical Marketing Research Association,1975 **Plenary and Invited Lectures** ,1983 *Modern Plastics Worldwide* ,2005 **Advanced Polymers Abstracts** ,1996 **Industrial Polymers** E. Alfredo Campo,2008 Industrial Polymers provides a comprehensive and very practical overview of the various plastic materials used in today s industrial applications Its focus is on material properties and areas of application All industrially significant plastic families and grades are introduced following the same approach their chemical constitution manufacturing properties processing and end use applications The consistent presentation allows easy comparison of different materials for the reader and will help with the initial identification of suitable plastic materials for a given end use Ample full color illustrations are testimony to the fact that plastic materials are the ultimate tribute to man s creativity and inventiveness Chemical Week ,1991 Modern Plastics ,1990-07 **Fundamentals of Modern Manufacturing** Mikell P. Groover,1996 Covers engineering materials production systems and manufacturing processes emphasizing manufacturing science and quantitative analysis of manufacturing processes with even treatment of materials beyond an emphasis on metals Chapters on materials identify the principle manufacturing processes for the given material while processing chapters o

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