

Electroactive Polymers Market Size, Share & Trends Analysis Report By Type (Conductive, Inherently Conductive), By Application (ESD & EMI Protection, Antistatic Packaging), By Region, And Segment Forecasts, 2025 - 2030

<https://marketpublishers.com/r/E77BEC35DF93EN.html>

Date: January 2025

Pages: 90

Price: US\$ 5,950.00 (Single User License)

ID: E77BEC35DF93EN

Abstracts

This report can be delivered to the clients within 8 Business Days

Electroactive Polymers Market Growth & Trends

The global electroactive polymers market size is estimated to reach USD 4.85 billion by 2030, expanding at a CAGR of 5.6% from 2025 to 2030, according to a new report by Grand View Research, Inc. Growing importance of electroactive materials owing to their lightweight, good dielectric and piezoelectric properties is expected to drive the market over the forecast period. Increasing use of electrostatic polymers in solar cells for reducing voltage consumption and managing the required voltage outflow is expected to favorably impact the industry in future.

Inherently Conductive Polymers (ICPs) accounted for over 10% of the global volume in 2014 and are expected to witness the fastest growth over the forecast period. Rising importance of ICP for manufacturing Organic Light Emitting Diodes (OLEDs) on account of providing electrical conductivity and optical clarity is expected to have a positive impact on the market.

Increasing use of dispersed form of poly(3,4-ethylenedioxythiophene) (PEDOT) and Polystyrene Sulfonates (PSS) as hole injecting material for R&D of OLED is likely to open new avenues for ICP.

Electroactive Polymers Market Report Highlights

The global electroactive polymers market size was valued at USD 3.52 billion in 2024 and is expected to grow at a CAGR of 5.6% from 2025 to 2030.

The conductive polymers dominated the global electroactive polymers industry and held the largest revenue share of 82.1% in 2024.

The growth of the electroactive polymers market in Europe is expected to be driven by stringent regulations promoting energy efficiency and sustainability across industries.

The ESD & EMI protection segment led the market and accounted for the largest revenue share of 32.2% in 2024, primarily driven by the increasing demand for protection against electrostatic discharge and electromagnetic interference in electronic devices.

Bayer AG, 3M, Parker-Hannifin Corporation, RTP Co., Solvay S.A., AGFA-Gevaert N.V., Kenner Material & System Co., Ltd., Celanese Corporation, and Agfa-Gevaert NV are some of the key manufacturers present within the global market. In June 2014, Parker-Hannifin announced development of smart sensors and actuators through the deployment of electroactive polymer technology.

Increasing application of electronic products such as actuators, sensors as well as ESD and EMI compounds in emerging markets of China and India is expected to force buyers to opt for backward integration to ensure the continuous product supply for their captive production.

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Market Segmentation & Scope
- 1.2. Market Definition
- 1.3. Information Procurement
 - 1.3.1. Purchased Database
 - 1.3.2. GVR's Internal Database
 - 1.3.3. Secondary Sources & Third-Party Perspectives
 - 1.3.4. Primary Research
- 1.4. Information Analysis
 - 1.4.1. Data Analysis Models
- 1.5. Market Formulation & Data Visualization
- 1.6. Data Validation & Publishing

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market Insights
- 2.2. Segmental Outlook
- 2.3. Competitive Outlook

CHAPTER 3. ELECTROACTIVE POLYMERS MARKET VARIABLES, TRENDS & SCOPE

- 3.1. Global Electroactive Polymers Market Outlook
- 3.2. Industry Value Chain Analysis
- 3.3. Average Price Trend Analysis
- 3.4. Supply-Demand Gap Analysis, 2024
- 3.5. Regulatory Framework
 - 3.5.1. Policies and Incentive Plans
 - 3.5.2. Standards and Compliances
 - 3.5.3. Regulatory Impact Analysis
- 3.6. Market Dynamics
 - 3.6.1. Market Driver Analysis
 - 3.6.2. Market Restraint Analysis
 - 3.6.3. Industry Challenges
- 3.7. Porter's Five Forces Analysis
 - 3.7.1. Supplier Power

- 3.7.2. Buyer Power
- 3.7.3. Substitution Threat
- 3.7.4. Threat from New Entrant
- 3.7.5. Competitive Rivalry
- 3.8. PESTEL Analysis
 - 3.8.1. Political Landscape
 - 3.8.2. Economic Landscape
 - 3.8.3. Social Landscape
 - 3.8.4. Technological Landscape
 - 3.8.5. Environmental Landscape
 - 3.8.6. Legal Landscape

CHAPTER 4. ELECTROACTIVE POLYMERS MARKET: TYPE OUTLOOK ESTIMATES & FORECASTS

- 4.1. Electroactive Polymers Market: Type Movement Analysis, 2024 & 2030
 - 4.1.1. Conductive Polymers
 - 4.1.1.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)
 - 4.1.2. Inherently Dissipative Polymers (IDPs)
 - 4.1.2.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)
 - 4.1.3. Inherently Conductive Polymers (ICPs)
 - 4.1.3.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)
 - 4.1.4. Others
 - 4.1.4.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

CHAPTER 5. ELECTROACTIVE POLYMERS MARKET: APPLICATION OUTLOOK ESTIMATES & FORECASTS

- 5.1. Electroactive Polymers Market: Application Movement Analysis, 2024 & 2030
 - 5.1.1. Actuators
 - 5.1.1.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)
 - 5.1.2. Sensors
 - 5.1.2.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)
 - 5.1.3. ESD & EMI Protection
 - 5.1.3.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)
 - 5.1.4. Antistatic Packaging
 - 5.1.4.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)
 - 5.1.5. Others
 - 5.1.5.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

CHAPTER 6. ELECTROACTIVE POLYMERS MARKET REGIONAL OUTLOOK ESTIMATES & FORECASTS

6.1. Regional Snapshot

6.2. Electroactive Polymers Market: Regional Movement Analysis, 2024 & 2030

6.3. North America

6.3.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.3.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.3.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

6.3.4. U.S.

6.3.4.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.3.4.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.3.4.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

6.3.5. Canada

6.3.5.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.3.5.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.3.5.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

6.3.6. Mexico

6.3.6.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.3.6.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.3.6.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

6.4. Europe

6.4.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.4.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.4.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

6.4.4. UK

6.4.4.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.4.4.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.4.4.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

Million)

6.4.5. Germany

6.4.5.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.4.5.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD

Million)

6.4.5.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD

Million)

6.4.6. France

6.4.6.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.4.6.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD

Million)

6.4.6.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD

Million)

6.4.7. Italy

6.4.7.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.4.7.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD

Million)

6.4.7.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD

Million)

6.4.8. Spain

6.4.8.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.4.8.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD

Million)

6.4.8.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD

Million)

6.4.9. Russia

6.4.9.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.4.9.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD

Million)

6.4.9.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD

Million)

6.4.10. Denmark

6.4.10.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.4.10.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD

Million)

6.4.10.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons)

(USD Million)

6.4.11. Sweden

6.4.11.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.4.11.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.4.11.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

6.4.12. Norway

6.4.12.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.4.12.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.4.12.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

6.5. Asia Pacific

6.5.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.5.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.5.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

6.5.4. China

6.5.4.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.5.4.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.5.4.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

6.5.5. India

6.5.5.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.5.5.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.5.5.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

6.5.6. Japan

6.5.6.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.5.6.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.5.6.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

6.5.7. Australia

6.5.7.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.5.7.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.5.7.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

6.5.8. South Korea

6.5.8.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.5.8.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.5.8.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

6.5.9. Indonesia

6.5.9.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.5.9.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.5.9.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

6.5.10. Vietnam

6.5.10.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.5.10.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.5.10.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

6.6. Latin America

6.6.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.6.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.6.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

6.6.4. Brazil

6.6.4.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.6.4.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.6.4.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

6.6.5. Argentina

6.6.5.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.6.5.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.6.5.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

6.7. Middle East & Africa

6.7.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.7.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.7.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

Million)

6.7.4. South Africa

6.7.4.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.7.4.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.7.4.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

6.7.5. Saudi Arabia

6.7.5.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.7.5.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.7.5.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

6.7.6. UAE

6.7.6.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.7.6.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.7.6.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

6.7.7. Kuwait

6.7.7.1. Market Estimates and Forecast, 2018 - 2030 (Kilotons) (USD Million)

6.7.7.2. Market Estimates and Forecast, By Type, 2018 - 2030 (Kilotons) (USD Million)

6.7.7.3. Market Estimates and Forecast, By Application, 2018 - 2030 (Kilotons) (USD Million)

CHAPTER 7. COMPETITIVE LANDSCAPE

7.1. Recent Developments & Impact Analysis, By Key Market Participants

7.2. Vendor Landscape

7.2.1. Company Categorization

7.2.2. List of Key Distributors and Channel Partners

7.2.3. List of Potential Customers/End Users

7.3. Competitive Dynamics

7.3.1. Competitive Benchmarking

7.3.2. Strategy Mapping

7.3.3. Heat Map Analysis

7.4. Company Profiles/Listing

7.4.1. 3M Company

- 7.4.1.1. Participant's Overview
- 7.4.1.2. Financial Performance
- 7.4.1.3. Product Benchmarking
- 7.4.1.4. Strategic Initiatives
- 7.4.2. Parker Hannifin Corporation
 - 7.4.2.1. Participant's Overview
 - 7.4.2.2. Financial Performance
 - 7.4.2.3. Product Benchmarking
 - 7.4.2.4. Strategic Initiatives
- 7.4.3. Solvay S.A.
 - 7.4.3.1. Participant's Overview
 - 7.4.3.2. Financial Performance
 - 7.4.3.3. Product Benchmarking
 - 7.4.3.4. Strategic Initiatives
- 7.4.4. AGFA-Gevaert N.V.
 - 7.4.4.1. Participant's Overview
 - 7.4.4.2. Financial Performance
 - 7.4.4.3. Product Benchmarking
 - 7.4.4.4. Strategic Initiatives
- 7.4.5. Merck Group
 - 7.4.5.1. Participant's Overview
 - 7.4.5.2. Financial Performance
 - 7.4.5.3. Product Benchmarking
 - 7.4.5.4. Strategic Initiatives
- 7.4.6. Heraeus Holding GmbH
 - 7.4.6.1. Participant's Overview
 - 7.4.6.2. Financial Performance
 - 7.4.6.3. Product Benchmarking
 - 7.4.6.4. Strategic Initiatives
- 7.4.7. The Lubrizol Corporation
 - 7.4.7.1. Participant's Overview
 - 7.4.7.2. Financial Performance
 - 7.4.7.3. Product Benchmarking
 - 7.4.7.4. Strategic Initiatives
- 7.4.8. PolyOne Corporation
 - 7.4.8.1. Participant's Overview
 - 7.4.8.2. Financial Performance
 - 7.4.8.3. Product Benchmarking
 - 7.4.8.4. Strategic Initiatives

7.4.9. RTP Company

7.4.9.1. Participant's Overview

7.4.9.2. Financial Performance

7.4.9.3. Product Benchmarking

7.4.9.4. Strategic Initiatives

7.4.10. Kenner Material & System Co., Ltd.

7.4.10.1. Participant's Overview

7.4.10.2. Financial Performance

7.4.10.3. Product Benchmarking

7.4.10.4. Strategic Initiatives

I would like to order

Product name: Electroactive Polymers Market Size, Share & Trends Analysis Report By Type (Conductive, Inherently Conductive), By Application (ESD & EMI Protection, Antistatic Packaging), By Region, And Segment Forecasts, 2025 - 2030

Product link: <https://marketpublishers.com/r/E77BEC35DF93EN.html>

Price: US\$ 5,950.00 (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/E77BEC35DF93EN.html>