

# Global Electroactive Polymers (EAP) Market Research Report - Industry Analysis, Size, Share, Growth, Trends and Forecast 2015 - 2022

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## Abstracts

Electroactive polymers (EAP) in presence of peripheral electrical activation field stimulation, change size or shape as resultant. They tolerate huge amount of deformation to withstand large forces. Electroactive polymers (EAP) possess conductive and piezoelectric properties. They are mostly used as actuators and sensors. It is potentially applied in robotics as prosthetic limbs/muscles.

Conductive polymers, inherently dissipative polymers (IDPs), inherently conductive polymers (ICPs) and others are the major product segments acknowledged in the global electroactive polymers (EAP) market report. Ferroelectric, piezoelectric, and dielectric elastomers are another important products of electroactive polymers (EAP). Conductive polymers dominates the electroactive polymers (EAP) product market followed by inherently conductive polymers (ICPs). It is estimated that inherently conductive polymers (ICPs) will witness substantial growth in the forecast period.

Actuators, sensors, electromagnetic interference (EMI) and electrostatic discharge (ESD) protection, antistatic packaging and others are the principal applications of electroactive polymers (EAP). Other applications of electroactive polymers (EAP) include inks, batteries, solar cells, capacitor, touch screen, organic light emitting diodes (OLEDs), photovoltaic cell, textiles, electrostatic coatings, and transistors. Electromagnetic interference (EMI) and electrostatic discharge (ESD) protection is the leading applications incorporated in the global electroactive polymers (EAP) market. Antistatic packaging are anticipated to grow at rapid pace for the forecast period. Antistatic packaging materials such as polyethylene (PE), polypropylene (PP), and polyethersulfone in electronics and medical devices will boost the market growth.

North America is the leading geography in terms of demand with significant growth in the global electroactive polymers (EAP) market. Europe and Asia Pacific are another major markets of electroactive polymers (EAP). Asia Pacific is the fastest growing market owing to economies like China and India. Rapid industrialization in this region is projected to drive the electroactive polymers (EAP) market. Demand for cost efficient and light-weight materials are the determinants of electroactive polymers (EAP) market growth. Volatile prices are the principal constraints in the progress of electroactive polymers (EAP) market. Awareness and shift from conventional to renewable energy is a motivating aspect for electroactive polymers (EAP).

Leading companies operating in the global electroactive polymers (EAP) market are Bayer MaterialScience AG, DuPont, The 3M Co., Celanese Corp., Parker-Hannifin Corp., Agfa-Gevaert NV, Piezotech S.A, The Lubrizol Corp., Cambridge Display Technology Ltd., Danfoss A/S, SABIC, Kenner Material & System Co., Ltd., Konarka Technologies Inc., Panasonic Corp., and Eamex Corp.

Decision Databases is involved in providing research reports and company profiles in the global electroactive polymers (EAP) market in terms of revenue and output/volume. Market drivers, opportunities and restraints are thoroughly studied which influences the market. This study is further utilized for the overall analysis of the market. The electroactive polymers (EAP) market is segmented based on the global applications, geographic presence, by products and ingredients. We offer an inclusive category-specific market outlook. We provide access to a comprehensive collection of companies in the industry. The companies can strategize and execute business operations through our competitor analysis. Find the global industry analysis, market size, share, growth, and trends information in our electroactive polymers (EAP) profiles.

## SEGMENTATIONS IN REPORT:

### Electroactive Polymers (EAP) Market Analysis By Products:

Conductive Polymers

Inherently Dissipative Polymers (IDPs)

Inherently Conductive Polymers (ICPs)

Others

## Electroactive Polymers (EAP) Market Analysis By Application:

Actuators

Sensors

Electromagnetic Interference (EMI) And Electrostatic Discharge (ESD)  
Protection

Antistatic Packaging

Others

## Electroactive Polymers (EAP) Market Analysis By Geography:

North America

Europe

Asia Pacific

Latin America

Middle East And Africa

## Contents

### **1. INTRODUCTION TO THE ELECTROACTIVE POLYMERS (EAP) MARKET**

- 1.1. Report Description
  - 1.1.1. Objectives Of The Study
  - 1.1.2. Assumptions
- 1.2. Research Scope
- 1.3. Research Methodology
  - 1.3.1. Top-Down Approach
  - 1.3.2. Bottom-Up Approach
  - 1.3.3. Data Sources
  - 1.3.4. Stakeholders

### **2. EXECUTIVE SUMMARY**

### **3. MARKET ANALYSIS OF ELECTROACTIVE POLYMERS (EAP)**

- 3.1. Introduction
- 3.2. Value Chain Analysis
- 3.3. Drivers
- 3.4. Restraints
- 3.5. Opportunities
- 3.6. Porter's Five Forces Analysis

### **4. GLOBAL ELECTROACTIVE POLYMERS (EAP) MARKET ANALYSIS BY PRODUCT**

- 4.1. Electroactive Polymers (EAP) Market By Product
- 4.2. Electroactive Polymers (EAP) Market In Conductive Polymers
- 4.3. Electroactive Polymers (EAP) Market In Inherently Dissipative Polymers (IDPs)
- 4.4. Electroactive Polymers (EAP) Market In Inherently Conductive Polymers (ICPs)
- 4.5. Electroactive Polymers (EAP) Market In Others

### **5. GLOBAL ELECTROACTIVE POLYMERS (EAP) MARKET ANALYSIS BY APPLICATION**

- 5.1. Electroactive Polymers (EAP) Market By Application

- 5.2. Electroactive Polymers (EAP) Market In Actuators
- 5.3. Electroactive Polymers (EAP) Market In Sensors
- 5.4. Electroactive Polymers (EAP) Market In Electromagnetic Interference (EMI) And Electrostatic Discharge (ESD) Protection
- 5.5. Electroactive Polymers (EAP) Market In Antistatic Packaging
- 5.6. Electroactive Polymers (EAP) Market In Others

## **6. GLOBAL ELECTROACTIVE POLYMERS (EAP) MARKET ANALYSIS BY REGION**

- 6.1. Regional Outlook
- 6.2. Introduction
- 6.3. North America (NA)
  - 6.3.1. North America: Electroactive Polymers (EAP) Market Estimates
  - 6.3.2. North America: Electroactive Polymers (EAP) Market Estimates By Country
  - 6.3.3. United States (U.S.)
  - 6.3.4. Rest Of North America
- 6.4. Europe (EU)
  - 6.4.1. Europe: Electroactive Polymers (EAP) Market Estimates
  - 6.4.2. Europe: Electroactive Polymers (EAP) Market Estimates By Country
  - 6.4.3. United Kingdom (UK)
  - 6.4.4. Germany
  - 6.4.5. France
  - 6.4.6. Rest Of Europe
- 6.5. Asia Pacific (APAC)
  - 6.5.1. Asia Pacific: Electroactive Polymers (EAP) Market Estimates
  - 6.5.2. Asia Pacific: Electroactive Polymers (EAP) Market Estimates By Country
  - 6.5.3. China
  - 6.5.4. Japan
  - 6.5.5. India
  - 6.5.6. Rest Of Asia Pacific
- 6.6. Latin America (LA)
  - 6.6.1. Latin America: Electroactive Polymers (EAP) Market Estimates
  - 6.6.2. Latin America: Electroactive Polymers (EAP) Market Estimates By Country
  - 6.6.3. Brazil
  - 6.6.4. Rest Of Latin America
- 6.7. Middle East And Africa (MEA)
  - 6.7.1. Middle East And Africa: Electroactive Polymers (EAP) Market Estimates
  - 6.7.2. Middle East And Africa: Electroactive Polymers (EAP) Market Estimates By Country

6.7.3. Middle East

6.7.4. Africa

## **7. COMPETITIVE LANDSCAPE OF THE ELECTROACTIVE POLYMERS (EAP) COMPANIES**

7.1. Electroactive Polymers (EAP) Market Competition

7.2. Partnership/Collaboration/Agreements

7.3. Merger And Acquisition

7.4. New Plant Installation

7.5. Other Developments

## **8. COMPANY PROFILES OF ELECTROACTIVE POLYMERS (EAP) INDUSTRY**

8.1. Bayer MaterialScience AG

8.2. DuPont

8.3. The 3M Co.

8.4. Celanese Corp.

8.5. Parker-Hannifin Corp.

8.6. Agfa-Gevaert NV

8.7. Piezotech S.A

8.8. The Lubrizol Corp.

8.9. Cambridge Display Technology Ltd.

8.10. Danfoss A/S

8.11. SABIC

8.12. Kenner Material & System Co., Ltd.

8.13. Konarka Technologies Inc.

8.14. Panasonic Corp.

8.15. Eamex Corp.

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