

# **Global Conductive Polymer Market Size study & Forecast, by Type (Polycarbonates, Acrylonitrile Butadiene Styrene (ABS), Nylon, Polyphenylene-Polymer (PPP) based resins, Inherently Conductive Polymers (ICP), Others), by Application (Anti-static Packaging, Capacitors, Actuators & Sensors, Batteries, Solar Energy, Others) and Regional Analysis, 2023-2030**

<https://marketpublishers.com/r/GB117510ED55EN.html>

Date: September 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GB117510ED55EN

## **Abstracts**

Global Conductive Polymer Market is valued at approximately USD XXX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XXX% over the forecast period 2023-2030. Conductive polymer refers to a type of polymer material that exhibits electrical conductivity. Unlike traditional polymers which are typically insulators, conductive polymers have a unique combination of properties that allow them to conduct electricity. They are often referred to as 'synthetic metals' or 'organic metals' due to their ability to conduct electricity like metals but with the added advantages of being lightweight, flexible, and potentially easier to process. The conductivity of these materials can be enhanced by doping, which involves the addition of dopant molecules or ions to the polymer matrix, thereby increasing the number of charge carriers. The growing need for lightweight materials from the automobile industry is the factor that is driving the market for conductive polymers. Expanding the use of conductive polymers in automotive wiring and cables, which makes the car lighter and more fuel-efficient. Additionally, it is anticipated that expanding digitalization, and dependency on electronics would propel the market for conductive polymers.

Moreover, the rising Consumer Electronics industry has played a significant role in

supporting the growth of the Conductive Polymer Market. Conductive polymers are a class of materials that exhibit electrical conductivity while maintaining the characteristics of conventional polymers, such as flexibility and lightweight properties. These polymers have gained considerable attention in various industries, including consumer electronics. Thus, the growing consumer electronic industry is anticipated to support the market growth during forecast period. According to Statista, in 2022, the global consumer electronics industry was valued at USD 987.16 billion and it is anticipated to reach USD 1052.96 billion by 2025. Additionally, rising technological advancement in conductive polymer and booming LED market are anticipated to create lucrative opportunities for the market during forecast period. However, the comparatively lower thermal conductivity than traditional materials stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Conductive Polymer Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the presence of key market players, growing electronic industry, and advancements in miniaturization of electronic components. Asia Pacific is expected to grow significantly during the forecast period, owing to factors such as surge in demand for electronic products, increase in usage of conducting polymers in solar cell manufacturing, and surge in electric mobility in the region.

Major market players included in this report are:

Heraeus Holding GmbH

Solvay SA

Rieke Metals

Merck KGAA

AGFA-GEVAERT NV (AGFA)

American Dyes Inc.

Abtech Scientific

Kemet Corporation

Celanese Corporation

SABIC

Recent Developments in the Market:

In 2022, Encres DUBUIT, a screen-printing company with its headquarters in France, acquired POLY-INK for an unidentified cost. Encres DUBUIT expanded its electronics offering by including targeted and sustainable touch panel capabilities into its already robust range. In the market for conductive polymers, a US-based company by the name of POLY-INK Inc. competes.

Global Conductive Polymer Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Type, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Polycarbonates

Acrylonitrile Butadiene Styrene (ABS)

Nylon

Polyphenylene-Polymer (PPP) based resins

Inherently Conductive Polymers (ICP)

Others

By Application:

Anti-static Packaging

Capacitors

Actuators & Sensors

Batteries

Solar Energy

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

## Contents

### **CHAPTER 1. EXECUTIVE SUMMARY**

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
  - 1.2.1. Conductive Polymer Market, by Region, 2020-2030 (USD Billion)
  - 1.2.2. Conductive Polymer Market, by Type, 2020-2030 (USD Billion)
  - 1.2.3. Conductive Polymer Market, by Application, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### **CHAPTER 2. GLOBAL CONDUCTIVE POLYMER MARKET DEFINITION AND SCOPE**

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Industry Evolution
  - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### **CHAPTER 3. GLOBAL CONDUCTIVE POLYMER MARKET DYNAMICS**

- 3.1. Conductive Polymer Market Impact Analysis (2020-2030)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Surge in demand for electronic products
    - 3.1.1.2. Advancements in Miniaturization of Electronic Components
  - 3.1.2. Market Challenges
    - 3.1.2.1. High Cost of Conductive Polymer
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Surge in electric mobility

### **CHAPTER 4. GLOBAL CONDUCTIVE POLYMER MARKET INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers

- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economical
  - 4.3.3. Social
  - 4.3.4. Technological
  - 4.3.5. Environmental
  - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL CONDUCTIVE POLYMER MARKET, BY TYPE**

- 5.1. Market Snapshot
- 5.2. Global Conductive Polymer Market by Type, Performance - Potential Analysis
- 5.3. Global Conductive Polymer Market Estimates & Forecasts by Type 2020-2030 (USD Billion)
- 5.4. Conductive Polymer Market, Sub Segment Analysis
  - 5.4.1. Polycarbonates
  - 5.4.2. Acrylonitrile Butadiene Styrene (ABS)
  - 5.4.3. Nylon
  - 5.4.4. Polyphenylene-Polymer (PPP) based resins
  - 5.4.5. Inherently Conductive Polymers (ICP)
  - 5.4.6. Others

## **CHAPTER 6. GLOBAL CONDUCTIVE POLYMER MARKET, BY APPLICATION**

- 6.1. Market Snapshot
- 6.2. Global Conductive Polymer Market by Application, Performance - Potential Analysis
- 6.3. Global Conductive Polymer Market Estimates & Forecasts by Application 2020-2030 (USD Billion)
- 6.4. Conductive Polymer Market, Sub Segment Analysis



- 6.4.1. Anti-static Packaging
- 6.4.2. Capacitors
- 6.4.3. Actuators & Sensors
- 6.4.4. Batteries
- 6.4.5. Solar Energy
- 6.4.6. Others

## **CHAPTER 7. GLOBAL CONDUCTIVE POLYMER MARKET, REGIONAL ANALYSIS**

- 7.1. Top Leading Countries
- 7.2. Top Emerging Countries
- 7.3. Conductive Polymer Market, Regional Market Snapshot
- 7.4. North America Conductive Polymer Market
  - 7.4.1. U.S. Conductive Polymer Market
    - 7.4.1.1. Type breakdown estimates & forecasts, 2020-2030
    - 7.4.1.2. Application breakdown estimates & forecasts, 2020-2030
  - 7.4.2. Canada Conductive Polymer Market
- 7.5. Europe Conductive Polymer Market Snapshot
  - 7.5.1. U.K. Conductive Polymer Market
  - 7.5.2. Germany Conductive Polymer Market
  - 7.5.3. France Conductive Polymer Market
  - 7.5.4. Spain Conductive Polymer Market
  - 7.5.5. Italy Conductive Polymer Market
  - 7.5.6. Rest of Europe Conductive Polymer Market
- 7.6. Asia-Pacific Conductive Polymer Market Snapshot
  - 7.6.1. China Conductive Polymer Market
  - 7.6.2. India Conductive Polymer Market
  - 7.6.3. Japan Conductive Polymer Market
  - 7.6.4. Australia Conductive Polymer Market
  - 7.6.5. South Korea Conductive Polymer Market
  - 7.6.6. Rest of Asia Pacific Conductive Polymer Market
- 7.7. Latin America Conductive Polymer Market Snapshot
  - 7.7.1. Brazil Conductive Polymer Market
  - 7.7.2. Mexico Conductive Polymer Market
- 7.8. Middle East & Africa Conductive Polymer Market
  - 7.8.1. Saudi Arabia Conductive Polymer Market
  - 7.8.2. South Africa Conductive Polymer Market
  - 7.8.3. Rest of Middle East & Africa Conductive Polymer Market

## **CHAPTER 8. COMPETITIVE INTELLIGENCE**

- 8.1. Key Company SWOT Analysis
  - 8.1.1. Company
  - 8.1.2. Company
  - 8.1.3. Company
- 8.2. Top Market Strategies
- 8.3. Company Profiles
  - 8.3.1. Heraeus Holding GmbH
    - 8.3.1.1. Key Information
    - 8.3.1.2. Overview
    - 8.3.1.3. Financial (Subject to Data Availability)
    - 8.3.1.4. Product Summary
    - 8.3.1.5. Recent Developments
  - 8.3.2. Solvay SA
  - 8.3.3. Rieke Metals
  - 8.3.4. Merck KGAA
  - 8.3.5. AGFA-GEVAERT NV (AGFA)
  - 8.3.6. American Dyes Inc.
  - 8.3.7. Abtech Scientific
  - 8.3.8. Kemet Corporation
  - 8.3.9. Celanese Corporation
  - 8.3.10. SABIC

## **CHAPTER 9. RESEARCH PROCESS**

- 9.1. Research Process
  - 9.1.1. Data Mining
  - 9.1.2. Analysis
  - 9.1.3. Market Estimation
  - 9.1.4. Validation
  - 9.1.5. Publishing
- 9.2. Research Attributes
- 9.3. Research Assumption

## List Of Tables

### LIST OF TABLES

TABLE 1. Global Conductive Polymer Market, report scope

TABLE 2. Global Conductive Polymer Market estimates & forecasts by Region  
2020-2030 (USD Billion)

TABLE 3. Global Conductive Polymer Market estimates & forecasts by Type 2020-2030  
(USD Billion)

TABLE 4. Global Conductive Polymer Market estimates & forecasts by Application  
2020-2030 (USD Billion)

TABLE 5. Global Conductive Polymer Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 6. Global Conductive Polymer Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 7. Global Conductive Polymer Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 8. Global Conductive Polymer Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 9. Global Conductive Polymer Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 10. Global Conductive Polymer Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 11. Global Conductive Polymer Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 12. Global Conductive Polymer Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 13. Global Conductive Polymer Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 14. Global Conductive Polymer Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 15. U.S. Conductive Polymer Market estimates & forecasts, 2020-2030 (USD  
Billion)

TABLE 16. U.S. Conductive Polymer Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 17. U.S. Conductive Polymer Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 18. Canada Conductive Polymer Market estimates & forecasts, 2020-2030  
(USD Billion)

TABLE 19. Canada Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 20. Canada Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 21. UK Conductive Polymer Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 22. UK Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 23. UK Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 24. Germany Conductive Polymer Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 25. Germany Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 26. Germany Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 27. France Conductive Polymer Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 28. France Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 29. France Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 30. Italy Conductive Polymer Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 31. Italy Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 32. Italy Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 33. Spain Conductive Polymer Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 34. Spain Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 35. Spain Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 36. RoE Conductive Polymer Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 37. RoE Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 38. RoE Conductive Polymer Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 39. China Conductive Polymer Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 40. China Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 41. China Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 42. India Conductive Polymer Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 43. India Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 44. India Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 45. Japan Conductive Polymer Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 46. Japan Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 47. Japan Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 48. South Korea Conductive Polymer Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 49. South Korea Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 50. South Korea Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 51. Australia Conductive Polymer Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 52. Australia Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 53. Australia Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 54. RoAPAC Conductive Polymer Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 55. RoAPAC Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 56. RoAPAC Conductive Polymer Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 57. Brazil Conductive Polymer Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 58. Brazil Conductive Polymer Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 59. Brazil Conductive Polymer Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 60. Mexico Conductive Polymer Market estimates & forecasts, 2020-2030 (USD  
Billion)

TABLE 61. Mexico Conductive Polymer Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 62. Mexico Conductive Polymer Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 63. RoLA Conductive Polymer Market estimates & forecasts, 2020-2030 (USD  
Billion)

TABLE 64. RoLA Conductive Polymer Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 65. RoLA Conductive Polymer Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 66. Saudi Arabia Conductive Polymer Market estimates & forecasts, 2020-2030  
(USD Billion)

TABLE 67. South Africa Conductive Polymer Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 68. RoMEA Conductive Polymer Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 69. List of secondary sources, used in the study of global Conductive Polymer  
Market

TABLE 70. List of primary sources, used in the study of global Conductive Polymer  
Market

TABLE 71. Years considered for the study

TABLE 72. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final  
deliverable

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Conductive Polymer Market, research methodology
  - FIG 2. Global Conductive Polymer Market, Market estimation techniques
  - FIG 3. Global Market size estimates & forecast methods
  - FIG 4. Global Conductive Polymer Market, key trends 2022
  - FIG 5. Global Conductive Polymer Market, growth prospects 2023-2030
  - FIG 6. Global Conductive Polymer Market, porters 5 force model
  - FIG 7. Global Conductive Polymer Market, pest analysis
  - FIG 8. Global Conductive Polymer Market, value chain analysis
  - FIG 9. Global Conductive Polymer Market by segment, 2020 & 2030 (USD Billion)
  - FIG 10. Global Conductive Polymer Market by segment, 2020 & 2030 (USD Billion)
  - FIG 11. Global Conductive Polymer Market by segment, 2020 & 2030 (USD Billion)
  - FIG 12. Global Conductive Polymer Market by segment, 2020 & 2030 (USD Billion)
  - FIG 13. Global Conductive Polymer Market by segment, 2020 & 2030 (USD Billion)
  - FIG 14. Global Conductive Polymer Market, regional snapshot 2020 & 2030
  - FIG 15. North America Conductive Polymer Market 2020 & 2030 (USD Billion)
  - FIG 16. Europe Conductive Polymer Market 2020 & 2030 (USD Billion)
  - FIG 17. Asia Pacific Conductive Polymer Market 2020 & 2030 (USD Billion)
  - FIG 18. Latin America Conductive Polymer Market 2020 & 2030 (USD Billion)
  - FIG 19. Middle East & Africa Conductive Polymer Market 2020 & 2030 (USD Billion)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

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