

Conductive Polymers Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/C9FB8789EE81EN.html>

Date: November 2023

Pages: 148

Price: US\$ 2,499.00 (Single User License)

ID: C9FB8789EE81EN

Abstracts

The global conductive polymers market size reached US\$ 4.4 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 6.9 Billion by 2028, exhibiting a growth rate (CAGR) of 7.8% during 2022-2028.

Conductive polymers (CPs) are a specific group of organic materials that exhibit electrical and optical properties of both metals and semiconductors. They offer numerous advantages over carbon-based electrode materials, including low cost, high porosity, ease of synthesis, and low equivalent series resistance (ESR). CP electrodes deliver incredible potential energy, power density, and high specific capacitance due to their excellent intrinsic conductivity. Besides this, they are added at small concentrations to improve the resistance of marine paints against corrosion.

Conductive Polymers Market Trends:

As CPs are environmental-friendly, they are widely used as an alternative to metallic interfaces in the production of biomedical devices, such as sensors and tissue scaffolds, and artificial muscles and drugs controlled-release agents. The rising demand for these devices and other medical supplies for clinical diagnosis and surgical interventions on account of the growing prevalence of chronic diseases represents one of the key factors bolstering the market growth. They are also integrated on a textile surface via plating, printing, coating, and other surface techniques to manufacture smart and interactive textiles. Apart from this, with the emergence of nanoscience, CPs are gaining traction in transparent solar cells. This, along with the rising sales of solar panels across the globe, is contributing to the market growth. Furthermore, the growing trend of miniaturized electronic devices like integrated circuits (ICs) and rechargeable batteries is also positively influencing the market. Additionally, CPs are being used for developing inexpensive, flexible organic electronics. This, in confluence with the escalating demand for consumer goods in the residential sector due to changing lifestyles and inflating

income levels, is anticipated to drive the market in the coming years.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global conductive polymers market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product and application.

Breakup by Product:

- Acrylonitrile-butadiene-styrene (ABS)
- Polycarbonates
- Polyphenylene-polymer (PPP) based Resins
- Nylon
- Inherently Conductive Polymers (ICP)
- Others

Breakup by Application:

- Capacitors
- Anti-static Packaging
- Batteries
- Actuators and Sensors
- Solar Energy
- Others

Breakup by Region:

- North America
 - United States
 - Canada
- Asia-Pacific
 - China
 - Japan
 - India
 - South Korea
 - Australia
 - Indonesia
 - Others
- Europe
 - Germany
 - France
 - United Kingdom
 - Italy
 - Spain
 - Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being 3M Company, Agfa-Gevaert N.V, Avient Corporation, Celanese Corporation, Heraeus Holding, KEMET Corporation, Parker Hannifin Corp., SABIC, Solvay and The Lubrizol Corporation.

Key Questions Answered in This Report

1. What was the size of the global conductive polymers market in 2022?
2. What is the expected growth rate of the global conductive polymers market during 2023-2028?
3. What are the key factors driving the global conductive polymers market?
4. What has been the impact of COVID-19 on the global conductive polymers market?
5. What is the breakup of the global conductive polymers market based on the product?
6. What is the breakup of the global conductive polymers market based on the application?
7. What are the key regions in the global conductive polymers market?
8. Who are the key players/companies in the global conductive polymers market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL CONDUCTIVE POLYMERS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY PRODUCT

- 6.1 Acrylonitrile-butadiene-styrene (ABS)
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Polycarbonates
 - 6.2.1 Market Trends

- 6.2.2 Market Forecast
- 6.3 Polyphenylene-polymer (PPP) based Resins
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast
- 6.4 Nylon
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast
- 6.5 Inherently Conductive Polymers (ICP)
 - 6.5.1 Market Trends
 - 6.5.2 Market Forecast
- 6.6 Others
 - 6.6.1 Market Trends
 - 6.6.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

- 7.1 Capacitors
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Anti-static Packaging
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Batteries
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Actuators and Sensors
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Solar Energy
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast
- 7.6 Others
 - 7.6.1 Market Trends
 - 7.6.2 Market Forecast

8 MARKET BREAKUP BY REGION

- 8.1 North America
 - 8.1.1 United States

- 8.1.1.1 Market Trends
- 8.1.1.2 Market Forecast
- 8.1.2 Canada
 - 8.1.2.1 Market Trends
 - 8.1.2.2 Market Forecast
- 8.2 Asia-Pacific
 - 8.2.1 China
 - 8.2.1.1 Market Trends
 - 8.2.1.2 Market Forecast
 - 8.2.2 Japan
 - 8.2.2.1 Market Trends
 - 8.2.2.2 Market Forecast
 - 8.2.3 India
 - 8.2.3.1 Market Trends
 - 8.2.3.2 Market Forecast
 - 8.2.4 South Korea
 - 8.2.4.1 Market Trends
 - 8.2.4.2 Market Forecast
 - 8.2.5 Australia
 - 8.2.5.1 Market Trends
 - 8.2.5.2 Market Forecast
 - 8.2.6 Indonesia
 - 8.2.6.1 Market Trends
 - 8.2.6.2 Market Forecast
 - 8.2.7 Others
 - 8.2.7.1 Market Trends
 - 8.2.7.2 Market Forecast
- 8.3 Europe
 - 8.3.1 Germany
 - 8.3.1.1 Market Trends
 - 8.3.1.2 Market Forecast
 - 8.3.2 France
 - 8.3.2.1 Market Trends
 - 8.3.2.2 Market Forecast
 - 8.3.3 United Kingdom
 - 8.3.3.1 Market Trends
 - 8.3.3.2 Market Forecast
 - 8.3.4 Italy
 - 8.3.4.1 Market Trends

- 8.3.4.2 Market Forecast
- 8.3.5 Spain
 - 8.3.5.1 Market Trends
 - 8.3.5.2 Market Forecast
- 8.3.6 Russia
 - 8.3.6.1 Market Trends
 - 8.3.6.2 Market Forecast
- 8.3.7 Others
 - 8.3.7.1 Market Trends
 - 8.3.7.2 Market Forecast
- 8.4 Latin America
 - 8.4.1 Brazil
 - 8.4.1.1 Market Trends
 - 8.4.1.2 Market Forecast
 - 8.4.2 Mexico
 - 8.4.2.1 Market Trends
 - 8.4.2.2 Market Forecast
 - 8.4.3 Others
 - 8.4.3.1 Market Trends
 - 8.4.3.2 Market Forecast
- 8.5 Middle East and Africa
 - 8.5.1 Market Trends
 - 8.5.2 Market Breakup by Country
 - 8.5.3 Market Forecast

9 SWOT ANALYSIS

- 9.1 Overview
- 9.2 Strengths
- 9.3 Weaknesses
- 9.4 Opportunities
- 9.5 Threats

10 VALUE CHAIN ANALYSIS

11 PORTERS FIVE FORCES ANALYSIS

- 11.1 Overview

- 11.2 Bargaining Power of Buyers
- 11.3 Bargaining Power of Suppliers
- 11.4 Degree of Competition
- 11.5 Threat of New Entrants
- 11.6 Threat of Substitutes

12 PRICE ANALYSIS

13 COMPETITIVE LANDSCAPE

- 13.1 Market Structure
- 13.2 Key Players
- 13.3 Profiles of Key Players
 - 13.3.1 3M Company
 - 13.3.1.1 Company Overview
 - 13.3.1.2 Product Portfolio
 - 13.3.1.3 Financials
 - 13.3.1.4 SWOT Analysis
 - 13.3.2 Agfa-Gevaert N.V.
 - 13.3.2.1 Company Overview
 - 13.3.2.2 Product Portfolio
 - 13.3.2.3 Financials
 - 13.3.2.4 SWOT Analysis
 - 13.3.3 Avient Corporation
 - 13.3.3.1 Company Overview
 - 13.3.3.2 Product Portfolio
 - 13.3.3.3 Financials
 - 13.3.3.4 SWOT Analysis
 - 13.3.4 Celanese Corporation
 - 13.3.4.1 Company Overview
 - 13.3.4.2 Product Portfolio
 - 13.3.4.3 Financials
 - 13.3.4.4 SWOT Analysis
 - 13.3.5 Heraeus Holding
 - 13.3.5.1 Company Overview
 - 13.3.5.2 Product Portfolio
 - 13.3.5.3 SWOT Analysis
 - 13.3.6 KEMET Corporation

- 13.3.6.1 Company Overview
- 13.3.6.2 Product Portfolio
- 13.3.7 Parker Hannifin Corp.
 - 13.3.7.1 Company Overview
 - 13.3.7.2 Product Portfolio
 - 13.3.7.3 Financials
 - 13.3.7.4 SWOT Analysis
- 13.3.8 SABIC
 - 13.3.8.1 Company Overview
 - 13.3.8.2 Product Portfolio
 - 13.3.8.3 Financials
 - 13.3.8.4 SWOT Analysis
- 13.3.9 Solvay
 - 13.3.9.1 Company Overview
 - 13.3.9.2 Product Portfolio
 - 13.3.9.3 Financials
 - 13.3.9.4 SWOT Analysis
- 13.3.10 The Lubrizol Corporation
 - 13.3.10.1 Company Overview
 - 13.3.10.2 Product Portfolio
 - 13.3.10.3 SWOT Analysis

List Of Tables

LIST OF TABLES

Table 1: Global: Conductive Polymers Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Conductive Polymers Market Forecast: Breakup by Product (in Million US\$), 2023-2028

Table 3: Global: Conductive Polymers Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 4: Global: Conductive Polymers Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 5: Global: Conductive Polymers Market: Competitive Structure

Table 6: Global: Conductive Polymers Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Conductive Polymers Market: Major Drivers and Challenges

Figure 2: Global: Conductive Polymers Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Conductive Polymers Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 4: Global: Conductive Polymers Market: Breakup by Product (in %), 2022

Figure 5: Global: Conductive Polymers Market: Breakup by Application (in %), 2022

Figure 6: Global: Conductive Polymers Market: Breakup by Region (in %), 2022

Figure 7: Global: Conductive Polymers (Acrylonitrile-butadiene-styrene-ABS) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 8: Global: Conductive Polymers (Acrylonitrile-butadiene-styrene-ABS) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 9: Global: Conductive Polymers (Polycarbonates) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 10: Global: Conductive Polymers (Polycarbonates) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 11: Global: Conductive Polymers (Polyphenylene-polymer (PPP) based Resins) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 12: Global: Conductive Polymers (Polyphenylene-polymer (PPP) based Resins) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 13: Global: Conductive Polymers (Nylon) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 14: Global: Conductive Polymers (Nylon) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 15: Global: Conductive Polymers (Inherently Conductive Polymers-ICP) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 16: Global: Conductive Polymers (Inherently Conductive Polymers-ICP) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 17: Global: Conductive Polymers (Other Products) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 18: Global: Conductive Polymers (Other Products) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 19: Global: Conductive Polymers (Capacitors) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 20: Global: Conductive Polymers (Capacitors) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 21: Global: Conductive Polymers (Anti-static Packaging) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 22: Global: Conductive Polymers (Anti-static Packaging) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: Global: Conductive Polymers (Batteries) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: Global: Conductive Polymers (Batteries) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: Global: Conductive Polymers (Actuators and Sensors) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: Global: Conductive Polymers (Actuators and Sensors) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: Global: Conductive Polymers (Solar Energy) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: Global: Conductive Polymers (Solar Energy) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: Global: Conductive Polymers (Other Applications) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: Global: Conductive Polymers (Other Applications) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: North America: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: North America: Conductive Polymers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: United States: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: United States: Conductive Polymers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: Canada: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: Canada: Conductive Polymers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: Asia-Pacific: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: Asia-Pacific: Conductive Polymers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: China: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 40: China: Conductive Polymers Market Forecast: Sales Value (in Million US\$),

2023-2028

Figure 41: Japan: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 42: Japan: Conductive Polymers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 43: India: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: India: Conductive Polymers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 45: South Korea: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: South Korea: Conductive Polymers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 47: Australia: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 48: Australia: Conductive Polymers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 49: Indonesia: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 50: Indonesia: Conductive Polymers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 51: Others: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 52: Others: Conductive Polymers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 53: Europe: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 54: Europe: Conductive Polymers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 55: Germany: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 56: Germany: Conductive Polymers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 57: France: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 58: France: Conductive Polymers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 59: United Kingdom: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 60: United Kingdom: Conductive Polymers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 61: Italy: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 62: Italy: Conductive Polymers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 63: Spain: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 64: Spain: Conductive Polymers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 65: Russia: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 66: Russia: Conductive Polymers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 67: Others: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 68: Others: Conductive Polymers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 69: Latin America: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 70: Latin America: Conductive Polymers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 71: Brazil: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 72: Brazil: Conductive Polymers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 73: Mexico: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 74: Mexico: Conductive Polymers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 75: Others: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 76: Others: Conductive Polymers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 77: Middle East and Africa: Conductive Polymers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 78: Middle East and Africa: Conductive Polymers Market: Breakup by Country (in %), 2022

Figure 79: Middle East and Africa: Conductive Polymers Market Forecast: Sales Value

(in Million US\$), 2023-2028

Figure 80: Global: Conductive Polymers Industry: SWOT Analysis

Figure 81: Global: Conductive Polymers Industry: Value Chain Analysis

Figure 82: Global: Conductive Polymers Industry: Porter's Five Forces Analysis

I would like to order

Product name: Conductive Polymers Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: <https://marketpublishers.com/r/C9FB8789EE81EN.html>

Price: US\$ 2,499.00 (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/C9FB8789EE81EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

