

GLOBAL ELECTROACTIVE POLYMER MARKET FORECAST 2017-2025

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Abstracts

KEY FINDINGS

The Global Electroactive polymer (EAP) market is anticipated to grow at a CAGR of 7.12% over the forecast period of 2016 and 2025. The market value is estimated to rise from \$3435 million in 2016 up to \$6370 million by 2025. The augmented usage of touchscreens and the cost-effective and lightweight polymers produced by the EAP technologies are some of the major drivers for the growth of the market.

MARKET INSIGHTS

The global electro-polymer market is segmented by type into the inherently conductive polymer (ICP), inherently dissipative polymers (IDP) and conductive plastics. By application, the market can be divided into organic light emitting diodes (OLED), capacitors, batteries sensors, solar cell, actuators, organic/plastic transistors, textiles and fabrics, electromagnetic interference (EMI), electrostatic discharge (ESD), antistatic packaging, plastics coated with electrostatic paints, other applications. Factors like enabled packaging of devices, improved surface conductivity and various applications of EAP in the field of biomimetics are providing the global market with plenty of growth opportunities.

REGIONAL INSIGHTS

The electro-polymer market is divided into four regions comprising of the North America, Europe, Asia-Pacific and Rest of the world. The Electroactive polymer market in North America is expected to hold the highest share by 2025. The North American region is divided into the United States and Canada. The US has the highest demand of 72% of

the total EAP in the region. The major drivers for EAP for all the regions include polymers, electronics, automotive and semiconductor industries.

COMPETITIVE INSIGHTS

Some of the top companies in the market are 3M Company, Agfa-Gevaert N.V, Basf Se, Cabot Corporation, Celanese Corporation, Covestro Ag, Heraeus Holding Gmbh, Merck & Co., Inc, Parker-Hannifin Corporation, Polyone Corporation, Premix Oy, and the Lubrizol Corporation. The 3M Company uses proprietary technology for developing conductive polymers which have high levels of conductivity without causing any significant loss in the polymer properties. One such brand of the company is Dyneon which comprises of conductive nylons, polyester urethane, and polyether urethane and provides EAP with application-specific performance characteristics.

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