

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

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Abstracts

The global electrically conductive adhesives market size reached US\$ 2,436.1 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 3,246.1 Billion by 2028, exhibiting a growth rate (CAGR) of 4.90% during 2022-2028.

Electrically conductive adhesives refer to the materials used for connecting electrical and electronic wires and circuits. They are also used for the dispersion of metallic particles and inducing conductivity in a polymeric matrix. Some of the commonly used electrically conductive adhesives include polyurethane, acetates, epoxies, silicones and polyimides. They are widely used in electronic touch panels, coatings, radio frequency identification (RFID) chips and mounting light-emitting diodes (LEDs). They exhibit various advantageous properties, such as low curing temperatures, compatibility with non-solderable materials, superior adhesion and enhanced fatigue and moisture resistance. They can also block the electromagnetic radiations emitting from various electronic devices. As a result, these adhesives are widely used across various industries, including aerospace, medical, automotive and electronics.

Electrically Conductive Adhesives Market Trends:

Significant growth in the electronics industry across the globe is one of the key factors creating a positive outlook for the market. Electrically conductive adhesives are widely used as filler components in silver, copper, aluminum and iron products for superior adhesion and enhanced durability. Moreover, the increasing demand for single-part and two-part epoxy adhesives in power electronics is providing a thrust to the market growth. The adhesives are used for circuit assembly and altering heat curing or hot soldering. They also aid in eliminating the requirement for additional fasteners and bolts. In line with this, the launch of miniaturized electronic devices with light, thin and small-



sized components is also contributing to the growth of the market. Various product innovations, such as the development of paste-based electrically conductive adhesives, are acting as other growth-inducing factors. Product manufacturers are also developing premixed frozen syringes for convenient adhesive application on screens and small electronic components. Other factors, including the implementation of stringent safety regulations, along with extensive research and development (R&D) activities, are anticipated to drive the market toward growth.

Key Market Segmentation:

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

Breakup by Type:

Isotropic Conductive Adhesives Anisotropic Conductive Adhesives

Breakup by Chemistry:

Epoxy Silicone Acrylic Polyurethane Others

Breakup by Filler Material:

Silver Fillers Carbon Fillers Copper Fillers Others

Breakup by Application:

Automotive Consumer Electronics Aerospace

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Biosciences 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, Aremco Products Inc., Creative Materials Inc., Dow Inc., H.B. Fuller Company, Henkel AG & Co. KGaA, Kemtron Ltd., Master Bond Inc., MG Chemicals, Panacol-Elosol GmbH (Dr. H?nle AG), Parker-Hannifin Corporation and Permabond LLC.

Key Questions Answered in This Report: How has the global electrically conductive adhesives market performed so far and how,



will it perform in the coming years?

What has been the impact of COVID-19 on the global electrically conductive adhesives market?

What are the key regional markets?

What is the breakup of the market based on the type?

What is the breakup of the market based on the chemistry?

What is the breakup of the market based on the filler material?

What is the breakup of the market based on the application?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global electrically conductive adhesives market and who are the key players?

What is the degree of competition in the industry?



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