

# Polycarbonate Resin Market by Application (Electrical & Electronics, Optical Media, Consumer, Automotive, Sheets, Films, Packaging, Medical, and Others) and by Region (Asia-Pacific, Western Europe, North America, and RoW) - Trends & Forecast to 2020

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# **Abstracts**

Polycarbonate (PC) is a long-chain linear polyester containing carbonate groups in their chemical structures. PC is best known for its impact resistance, but it also possesses properties, such as high optical transparency, high temperature limits, high-dimensional stability, and good electrical behavior. PCs are used in a number of applications due to their wide range of properties. These applications include electrical & electronics components, compact discs, digital versatile discs, eyeglasses, safety goggles, greenhouse enclosures, automobile headlights, outdoor fixtures, glazing, medical devices, and many others. Players in the PC market work closely with original equipment manufacturers (OEMs) and end-users to develop new and innovative products tailored to their requirements. This helps in the development of new applications for PC and in the development of the overall PC market. This market is projected to reach a value of more than \$16.4 billion by 2020.

This report provides a comprehensive analysis of the PC market. It categorizes the PC market based on application and region. On the basis of application, electrical & electronics is estimated to be the largest application in 2014, and is projected to grow with the increased consumption of PC due to their excellent electrical properties. The increased usage of PC in the automotive industry, especially the increased popularity of PC in the glazing application, is the key driver of the PC market. The growth in the market is also influenced by the increased demand for Blu-Ray discs, which are made for PC. The fastest-growing application of the PC market is the medical application. The high growth in this application is also attributed to the high heat resistance property of



PC, which allows it to be sterilized using any of the sterilization methods. The high impact resistance and inherent toughness of PC also reduce the risk of device failure, which could be life-threatening in certain cases of negligence. Asia-Pacific is estimated to be the largest consumer of PC in 2015, followed by the Western Europe.

The market size of each region [Asia-Pacific, Western Europe, North America and Rest of the World (RoW)] is projected for the year 2020 in the report. The report also segments these regions into countries, such as the U.S., Canada, Mexico, the U.K., Italy, France, Spain, Germany, China, India, Japan, South Korea, Taiwan, Brazil, Russia, and others, with a forecast of their market size along with their growth rates.

The leading players in the PC market, such as SABIC Innovative Plastics (U.S.), Bayer MaterialScience AG (Germany), Teijin Ltd. (Japan), Mitsubishi Engineering-Plastics Corporation (Japan), Chi Mei Corporation (China), and others, are profiled in the report. The key players in this market have adopted various strategies to strengthen the market position and increase their market shares. New product launches and expansion are some of the main strategies adopted by the market players to achieve growth in the PC market.



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