

# Polycarbonate Resin Market in India 2020

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## Abstracts

Polycarbonate resin (PC resin) is an engineering plastic designed to improve temperature resistance, durability, strength, and other mechanical properties of thermoplastic polymers. PC resin and its extruded products are used in electronic, automotive, medical devices, medical packaging, consumer durables, aerospace, and agricultural industries. In India, more than 50% of the domestic demand for polycarbonate resin is driven by the end-use industries – automotive, and construction and building.

### Market insights:

As of 2019, the polycarbonate resin market in India was valued at INR 24.75 Bn, and is expected to expand at a compound annual growth rate (CAGR) of ~9% during the 2020-2025 period, to reach INR 40.76 Bn by 2025. In 2019, India accounted for ~2.05% of the global polycarbonate resin market revenue. Government initiatives to develop commercial and industrial roofing in India, and the cost-effective nature of PC resin are some of the significant factors expected to bolster market growth. India does not account for any domestic production of polycarbonate resin. Therefore, the country's dependency on imports to meet its domestic demand is restraining the growth of the market. Presence of toxic chemicals in polycarbonate resins cause environmental and health hazards in case of exposure and this, in turn, restrains the growing usage of these chemicals.

### COVID-19 impact analysis:

The outbreak of the contagion, followed by a long-term nationwide lockdown decelerated the growth momentum of the overall polycarbonate resin market in India. Polycarbonate resin is a significant raw material used in the production of input components by the country's end-use industries. Therefore, the impact of COVID-19 on

these related industries mark a proportional impact on the polycarbonate resin market in India. During this crisis period, the end-use industries like the automotive, construction, appliances, and sports safety equipment experienced halt in their potential production cycle, imparting a negative impact on the demand for polycarbonate resins as well. On the other hand, the polycarbonate resin market witnessed a sharp rise in demand as an input chemical from the industries like medical devices and equipment, electronics and electricals at the same time.

#### Competitive analysis:

In India, the polycarbonate resin market is dominated by foreign subsidiaries like Covestro (India) Private Limited, SABIC Innovative Plastics India Private Limited, and Teijin India Private Limited. Around 60% of the country's total demand for polycarbonate resin end-products is sustained by Covestro India and SABIC Innovative Plastics cumulatively. Other players in the market include MG Polyplast Industries Private Limited, Power Chem Plast Limited, Samsung SDI India Private Limited, and Tuflite Polymers Limited. India is expected to have its first local polycarbonate resin manufacturing plant set up by 2023, by GAIL Limited.

#### Companies covered:

Lotus Roofings Private Limited

MG Polyplast Industries Private Limited

Power Chem Plast Limited

Tuflite Polymers Limited

Covestro (India) Private Limited

SABIC Innovative Plastics India Private Limited

Samsung SDI India Private Limited

Teijin India Private Limited

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