

# How to Start Plastic Manufacturing Industry (Plastics and Polymer Processing Industries)

## Description:

The Indian plastic and polymer industry has taken great strides. In the last few decades, the industry has grown to the status of a leading sector in the country with a sizable base. The material is gaining notable importance in different spheres of activity and the per capita consumption is increasing at a fast pace. Continuous advancements and developments in polymer technology, processing machineries, expertise and cost effective manufacturing is fast replacing the typical materials in different segments with plastics. Plastics play a very important role in our daily lives. Throughout the world the demand for plastic, particularly plastic packaging, continues to rapidly grow. Polymer processing industry deals with the manufacture and production of polymer and synthetic substances for example acrylic plastics: poly (methyl methacrylate), poly vinyl chloride (PVC), polyamides, polyesters, cellulose plastics etc. Plastic is incredibly versatile and can be made from different ingredients, moulded into any shape, and put to a huge range of uses across industry and the rest of society. Polymer Energy system is an award winning, innovative, proprietary process to convert waste plastics into renewable energy. Polymers are the most rapidly growing sector of the materials industry. No wonder polymers are found in everything from compact discs to high tech aerospace applications. On the basis of value added, Indian share of plastic products industry is about 0.5% of national GDP.

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**Keywords:** How to Start Plastic Manufacturing Industry, Plastics and Polymer Processing Industries, Polyethylene Terephthalate (PET), Applications, Characteristics, Polyamides (PA), Polyoxymethylenes (POM), Thermoplastic Composites, Uniaxial Laminates, Cross-ply Laminates, Shear Strengths, Technological Tests, Temperature Sensitivity, Fire Resistance, Structural Composites, Aircraft Structures, Automotive Engineering, Differential Scanning Calorimetry (DSC), Polymer Characterization, Borchardt and Danie

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