

# Technology of Plastic Processing Industries

## Description:

Plastics are contemporary, synthetic materials. Plastics are oil and gas based, and consumes less than four per cent of our oil and gas reserves. Plastic in fact saves the energy it takes less energy to convert into plastic from raw materials. Throughout their whole life cycle one-third less energy is needed than making paper bags. Without plastic, whole packaging would take almost double energy by around 160 percent. The better-quality properties of plastics such as sanitized or germ free barrier properties, light weight, and durability contribute appreciably to our health and quality of life.

The Plastic industry has been witnessing a continuous increase in demand from a long time attracting many towards it. To all those who are looking forward for a proper understanding of technology and methodology used in the plastic industries so that they could penetrate into plastics industries with a consideration of the current industry trend then this book provides you about certain very essential information about Plastic. PVC can be processed by all the conventional conversion processes as used for other thermoplastics but with some modifications. This book covers an intensive study of Current Trends in Conducting Polymers with a significant and detail explanation of thermosetting, thermoplastic material and products environment health and the future prospects.

The content of the book includes information about plastic and allied products equipped with latest technology. It also includes comprehensive information on the development of the sector and manufacturing process. The several chapters of the book contain information about: Processing of PVC, Applications of PVC and so on. The book also has a chapter that will provide you with some very interesting, feasible and profitable plastic project profiles that will act as a guide in proper understanding and analysis of the sector. Recent Developments in Plastics Extrusion and Environment Health and Future Prospects, Constructive use of HDPE, The Processing of Fibre Reinforced Thermo-

plastics Using Co-Rotating Twin Screw Extruders, Economical Film Extrusions with Modular Systems these are few chapters that are very informational and will help you in deep penetration of the industry. Along with these features the book also encloses a directory section which lists all major manufacturers of plastic processing machinery and raw material suppliers.

**Keywords:** Electro optical Display Devices, Electromagnetic Shielding, Microelectronic Devices, Photovoltaic Devices, Sensors, Conducting Polymers, Thermosetting Plastics, Phenolic Resins, Phenolic Resins, Process, Grinding Wheels, Sand core bonding, Tackifier, Methylol Ureas, Melamine-Formaldehyde Resin, Present Status and Future Prospects

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