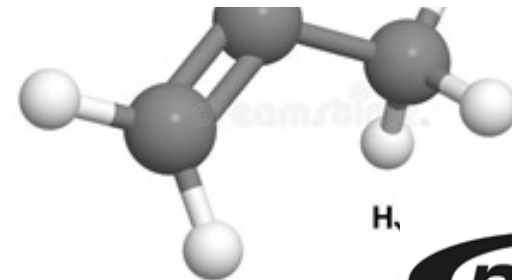
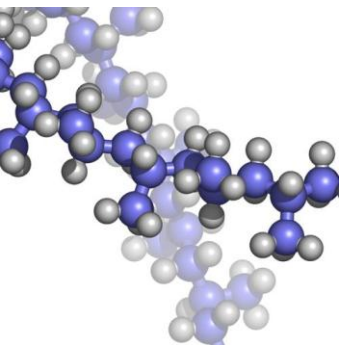


Bio Propylene Production Business.

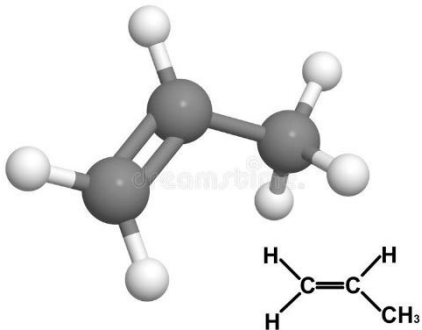
Bio-Based Poly Propylene (PP) Manufacturing Plant



Introduction

Propylene, has never been naturally directly produced by microorganisms and therefore, direct bio-production of propylene requires an artificial metabolic pathway.

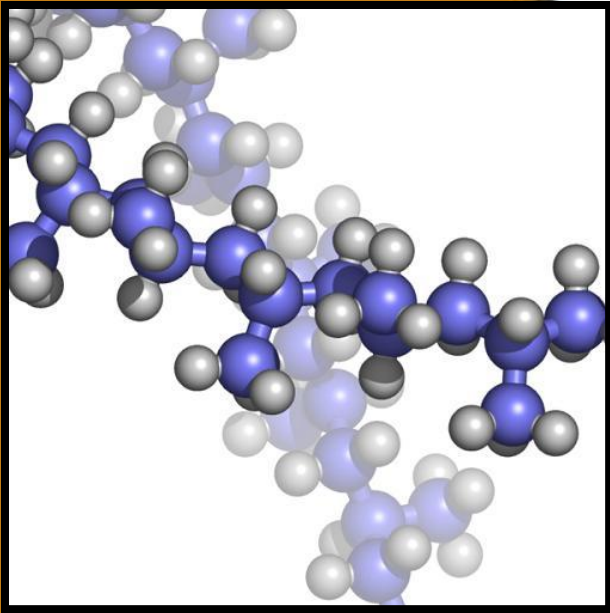
The largest source of propylene in the chemical industry is coproduction from naphtha or liquefied petroleum gas in ethylene steam crackers. The second largest amount of propylene comes from refineries as a byproduct from fluidized catalytic cracker (FCC) units that are operated for gasoline production.



Biopolypropylene is a thermoplastic polymer commonly used in the packaging industry. Other uses include textiles, bottles, cube stickers, and even polymer banknotes. Because polypropylene shares many properties with polyethylene, they are commonly employed for similar uses. Polypropylene is especially resistant to fatigue, which is ideal for mobile plastic parts. Conventional polypropylene is made from petroleum in a process which results in large amounts of greenhouse gases. However, an alternative process has been developed which allows for its synthesis from sugar cane. No natural microorganism exists to convert renewable resources into propylene.

Application

Propylene is mainly used to manufacture polypropylene plastics for the packaging and the automobile industries. Conventional process Propylene production in refineries.

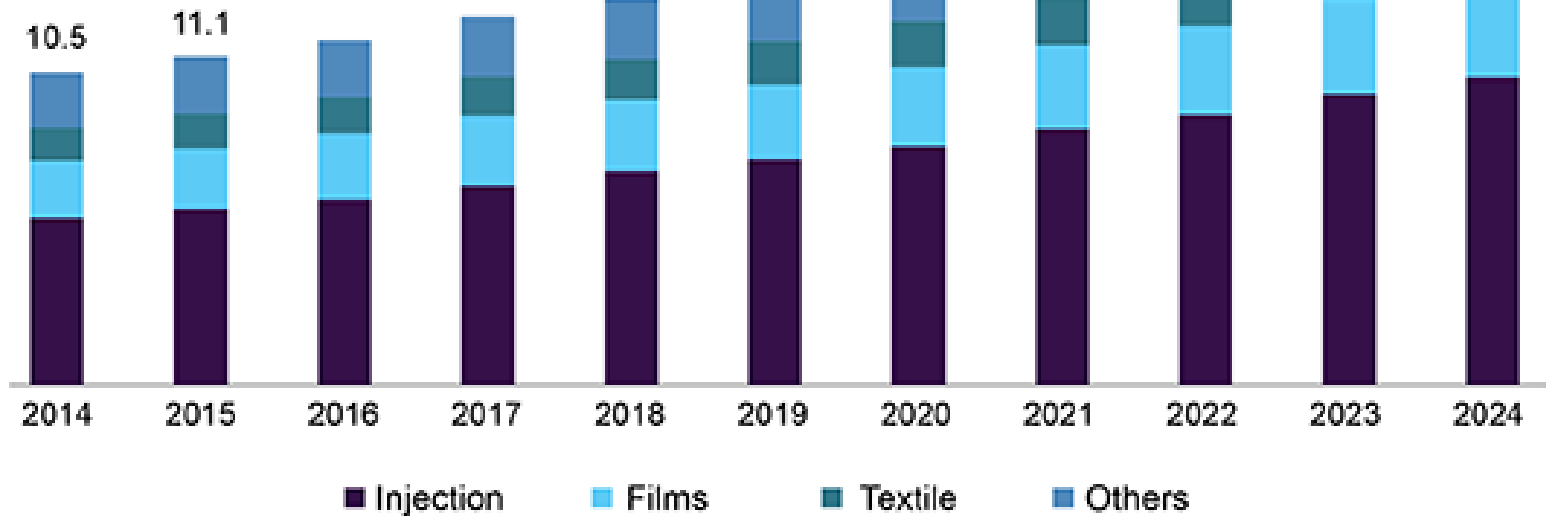


Market Outlook

The global bio PP market is expected to grow at a steady pace because of the regulations for reducing carbon emission in addition to consumer inclination toward using bio-based and eco-friendly products. Rising demand for lightweight materials, especially in the automotive industry, is expected to propel the market volume.

The global bio-based polypropylene market size was estimated at USD 32.3 million in 2016 and is projected to register a CAGR of 5.1% over the forecast period. Increase in demand for lightweight automotive materials, particularly polymers, is expected to boost market growth over the coming years. With automobile manufacturers preferring eco-friendly polymers of late, the market is anticipated to receive a significant boost.

North America Bio-based Polypropylene Market Revenue, by Application, 2014-2025 (USD Million)



Biobased Polypropylene (PP) Market by Application:

1) Textile

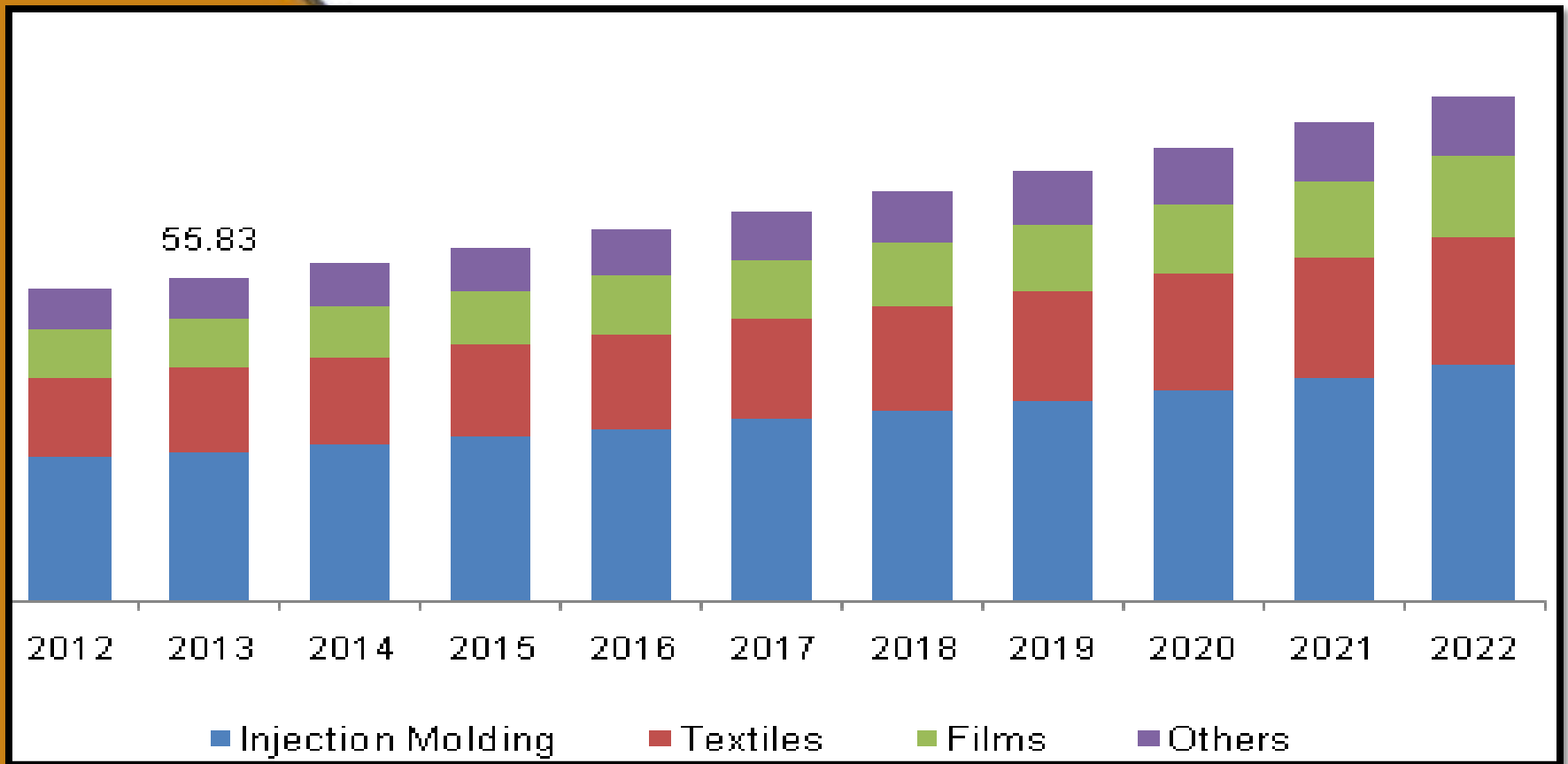
2) Injection

3) Films

Bio based polypropylene has emerged as a substitute to synthetic polypropylene due to increasing environmental concerns regarding the use of latter. The health hazards associated with the production and use of polypropylene derived from fossil fuels have led to boost in the demand for bio based polypropylene. However, the bio based polypropylene market is currently in the nascent stage and is growing at a significant pace.

The Bio-based Poly propylene (PP) market is in its nascent stage. However, given poly propylene's wide range of applications, the demand for bio-based PP is expected to skyrocket. Moreover, the growing environmental concerns associated with the production and use of fossil fuel derived PP has prompted the need for a replacement for synthetic poly-propylene. The volatile price of petroleum-based chemicals is another crucial factor that serves to shift the inclinations of the consumer as well as the manufacturer towards bio-based chemicals.

Global Polypropylene Market Volume by Application, 2012 - 2022 (Million Tons)



In terms of region, North America, Europe, Asia Pacific, Latin America, and Middle East & Africa are the major markets for synthetic and bio-based polypropylene. Developing regions such as Asia Pacific, especially China and India, are the key markets for synthetic and bio-based polypropylene due to increasing demand in automotive and construction industries. U.S. is the major consumer of propylene due to growing demand from the end-user industries.

Major Queries/Questions Answered in the Report?

- 1. What is Bio Propylene Manufacturing industry ?**
- 2. How has the Bio Propylene Manufacturing industry performed so far and how will it perform in the coming years ?**
- 3. What is the Project Feasibility of Bio Propylene Manufacturing Plant ?**
- 4. What are the requirements of Working Capital for setting up Bio Propylene Manufacturing plant ?**

- 5. What is the structure of the Bio Propylene Manufacturing Business and who are the key/major players ?**
- 6. What is the total project cost for setting up Bio Propylene Manufacturing Business?**
- 7. What are the operating costs for setting up Bio Propylene Manufacturing plant ?**
- 8. What are the machinery and equipment requirements for setting up Bio Propylene Manufacturing plant ?**

- 9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Bio-Based Poly Propylene (PP) Manufacturing plant ?**
- 10. What are the requirements of raw material for setting up Bio-Based Poly Propylene (PP) Manufacturing plant ?**
- 11. Who are the Suppliers and Manufacturers of Raw materials for setting up Bio-Based Poly Propylene (PP) Manufacturing Business?**
- 12. What is the Manufacturing Process of Bio-Based Poly Propylene (PP)?**

- 13. What is the total size of land required for setting up Bio-Based Poly Propylene (PP) Manufacturing plant ?**
- 14. What will be the income and expenditures for Bio Propylene Manufacturing Business?**
- 15. What are the Projected Balance Sheets of Bio Propylene Manufacturing plant ?**
- 16. What are the requirement of utilities and overheads for setting up Bio Propylene Manufacturing plant?**
- 17. What is the Built up Area Requirement and cost for setting up Bio Propylene Manufacturing Business?**

18. What are the Personnel (Manpower) Requirements for setting up Bio Propylene Manufacturing Business?

19. What are Statistics of Import & Export for Bio-Based Poly Propylene (PP)?

20. What is the time required to break-even of Bio-Based Poly Propylene (PP) Manufacturing Business?

21. What is the Break-Even Analysis of Bio-Based Poly Propylene (PP) Manufacturing plant?

22. What are the Project financials of Bio-Based Poly Propylene (PP) Manufacturing Business?

23. What are the Profitability Ratios of Bio Propylene Manufacturing Project?

24. What is the Sensitivity Analysis-Price/Volume of Bio Propylene Manufacturing plant?

25. What are the Projected Pay-Back Period and IRR of Bio Propylene Manufacturing plant?

26. What is the Process Flow Sheet Diagram of Bio Propylene Manufacturing project?

- 27. What are the Market Opportunities for setting up Bio Propylene Manufacturing plant?**
- 28. What is the Market Study and Assessment for setting up Bio Propylene Manufacturing Business?**
- 29. What is the Plant Layout for setting up Bio Propylene Manufacturing Business?**

Table of Contents of the Project Report

Our Detailed Project Report contains

- **Introduction**
- **Properties**
- **Uses & Applications**
- **List of Plant & Machineries**
- **Miscellaneous Items and Accessories**
- **Instruments, Laboratory Equipments and Accessories**
- **Electrification, Electric Load and Water**
- **Maintenance, Suppliers/Manufacturers of Plant and Machineries**
- **Process of Manufacture**
- **Flow Sheet Diagram**
- **List of Raw Materials**
- **Availability of Raw Materials**
- **Requirement of Staff & Labour**

- **Skilled & Unskilled Labour**
- **Requirement of Land Area**
- **Built up Area**
- **Plant Layout.**

Along with financial details as under:

- **Assumptions for Profitability workings**
- **Plant Economics**
- **Production Schedule**
- **Land & Building**
- **Factory Land & Building**
- **Site Development Expenses**
- **Plant & Machinery**
- **Indigenous Machinerics**

- **Other Fixed Assets**
- **Furniture & Fixtures**
- **Pre-operative and Preliminary Expenses**
- **Technical Knowhow**
- **Provision of Contingencies**
- **Working Capital Requirement Per Month**
- **Raw Material**
- **Packing Material**
- **Lab & ETP Chemical Cost**
- **Consumable Store**
- **Overheads Required Per Month And Per Annum**
- **Utilities & Overheads (Power, Water and Fuel Expenses etc.)**

- **Royalty and Other Charges**
- **Selling and Distribution Expenses**
- **Salary and Wages**
- **Turnover Per Annum**
- **Share Capital**
- **Equity Capital**
- **Preference Share Capital**

Project Financials

Project at a Glance	Annexure
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• Plant Economics.....	2
• Production Schedule.....	3
• Land & Building.....	4
Factory Land & Building	
Site Development Expenses	

- **Plant & Machinery.....5**
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 - Other Machineries (Miscellaneous, Laboratory etc.)**

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 - Furniture & Fixtures**
 - Pre-operative and Preliminary Expenses**
 - Technical Knowhow**
 - Provision of Contingencies**

- **Working Capital Requirement Per Month.....7**
 - Raw Material**
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 - Lab & ETP Chemical Cost**
 - Consumable Store**



- **Overheads Required Per Month and Per Annum.....8**
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- **Annexure 2 :: Profitability and Net Cash Accruals**
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 - **Expenses/Cost of Products/Services/Items**
 - **Gross Profit**
 - **Financial Charges**
 - **Total Cost of Sales**
 - **Net Profit After Taxes**
 - **Net Cash Accruals**

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- **ROI (Average of Total Assets)**

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- **D.S.C.R**
- **Earnings Per Share (EPS)**
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- **Profit Volume Ratio (PVR)**
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- **Achievable Efficiency/Yield % of Products/Services/Items**

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- **Annexure 29 :: Depreciation Charges – as per Books (Total)**
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- **Annexure 31 :: Depreciation Charges - as per IT Act WDV (Total)**
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- **Annexure 34 :: Tax on Profits**
- **Annexure 35 :: Projected Pay-Back Period and IRR**

Reasons for Buying our Report:

- **This report helps you to identify a profitable project for investing or diversifying into by throwing light to crucial areas like industry size, market potential of the product and reasons for investing in the product**
- **This report provides vital information on the product like it's characteristics and segmentation**
- **This report helps you market and place the product correctly by identifying the target customer group of the product**

- **This report helps you understand the viability of the project by disclosing details like machinery required, project costs and snapshot of other project financials**
- **The report provides a glimpse of government regulations applicable on the industry**
- **The report provides forecasts of key parameters which helps to anticipate the industry performance and make sound business decisions**

Our Approach:

- **Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years.**
- **The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players**
- **We use reliable sources of information and databases. And information from such sources is processed by us and included in the report**

Scope of the Report

The report titled “Market Survey cum Detailed Techno Economic Feasibility Report on Bio Propylene.” provides an insight into Bio Propylene market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Bio Propylene project. The report assesses the market sizing and growth of the Indian Bio Propylene Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line. And before diversifying/venturing into any product, they wish to study the following aspects of the identified product:

- **Good Present/Future Demand**
- **Export-Import Market Potential**
- **Raw Material & Manpower Availability**
- **Project Costs and Payback Period**

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in the Bio Propylene sector in India along with its business prospects. Through this report we have identified Bio Propylene project as a lucrative investment avenue.

Tags

Production of Bio-Propylene, Bio-Based Propylene Production, Bio-Based Poly Propylene, Biopolypropylene, Bio Propylene Production Plant, Bio Polypropylene (PP), Production of Bio-Sourced Propylene, Production of Bio-Based Polypropylene, Bio-Based Propylene Industry, Production of Biopropylene, Bio Based Polypropylene Manufacture, Bio-Based Propylene Production, Bio Propylene Manufacturing Business, Bio Based Polypropylene Company, Propylene Production, Manufacturing Plant for Producing Bio Propylene, project profile on Bio Propylene Manufacturing Industry, Project Report on Bio Propylene Manufacturing Industry, Detailed Project Report on Bio-Based Propylene Production, Project Report on Bio-Based Propylene Production, Pre-Investment Feasibility Study on Bio-Based Propylene Production, Techno-Economic feasibility study on Bio-Based Propylene Production, Feasibility report on Bio-Based Propylene Production, Free Project Profile on Bio Propylene Production, Project profile on Bio Propylene Production, Download free project profile on Bio-Based Propylene Production

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NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.

Our Market Survey cum Detailed Techno Economic Feasibility Report provides an insight of market in India. The report assesses the market sizing and growth of the Industry. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line.



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The detailed project report covers all aspect of business, from analyzing the market, confirming availability of various necessities such as Manufacturing Plant, Detailed Project Report, Profile, Business Plan, Industry Trends, Market Research, Survey, Manufacturing Process, Machinery, Raw Materials, Feasibility Study, Investment Opportunities, Cost and Revenue, Plant Economics, Production Schedule,



Working Capital Requirement, uses and applications, Plant Layout, Project Financials, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios, Break Even Analysis. The DPR (Detailed Project Report) is formulated by highly accomplished and experienced consultants and the market research and analysis are supported by a panel of experts and digitalized data bank.

We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in India along with its business prospects.....[Read more](#)



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Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation

Contact us

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