

**Y-1583 Manufacturing of Disposable** Latex & Nitrile Gloves. **Opportunities for Entrepreneurs in Disposable Surgical and Medical Hand Gloves** Industry

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# Introduction

<u>Nitrile</u> could be a synthetic <u>rubber</u> compound that's usually used as a disposable glove material. Nitrile includes a higher puncture resistance than the other glove material. Nitrile additionally has a higher <u>chemical</u> resistance than Latex or Vinyl gloves.





Nitrile gloves are a lot of hypoallergenic alternative. Created from synthetic rubbers, the incidence of nitrile <u>rubber</u> allergic reaction is extremely low. Nitrile gloves aren't packed in powder and are easy to handle directly on removal from the box. <u>Nitrile gloves</u> are thought of to be the perfect choice in emergency situations once the allergic reaction status of a patient or user isn't best-known. <u>Nitrile gloves</u> are extremely durable and puncture resistant. Nitrile gloves will stand up to exposure to oils, solvents, and <u>chemicals</u> that simply destroy natural latex gloves.





<u>Nitrile gloves</u> are commonly used as exam gloves, however because of their strength, lend themselves to multiple uses. Nitrile comes in powdered form, sterile, non-sterile and offered at completely different lengths from wrist to forearm. They're designed for multiple uses that include basic exam room checks, to hazardous materials handling, like working with chemotherapy chemicals. <u>Powder Free nitrile Gloves</u> are anti-static in behavior, sensible solvent resistant, odour free, and therefore helpful in <u>food</u> and dairy farm business. Powder-free gloves scale back the cause of allergies by lowering protein and <u>chemical</u> content.





Powdered <u>gloves</u> are usually lubricated with cornstarch that makes them a lot of easier to place on. Cornstarch coatings have replaced different powdering options similar to lycopodium powder and talc because these other coating varieties have been found to irritate tissue. notwithstanding, even cornstarch will impede healing once coming into contact with tissues, thus powder-free gloves are usually preferred for surgeries and alternative sensitive procedures. Nitrile gloves but are not as soft as latex gloves, and don't seem to be known for being easy to wear. In fact, their strength could be a weakness when dealing with applications that need fine movements and dexterity. Nitrile is also slightly dearer to produce.

Related Projects: - <u>Surgical, Medical Plastics, Medical Disposables</u>





Latex comes directly from <u>rubber</u> trees. Latex gloves are the most commonly used disposable gloves because they need been the sole strong disposable glove material option on the market. However, currently many <u>hospitals</u> and clinics have begun replacing their latex gloves with nitrile gloves. Latex gloves are usually most well-liked by <u>healthcare</u> providers since they supply the most effective service once it comes to elasticity, comfort and fit. Surgeons in particular have the benefit of latex gloves since they're great for sensitive work, since they offer a lot of precision with high tactile sensitivity.





While there are allergy issues with latex gloves they're generally a lot of favorable to users over a nitrile glove in the main because of comfort and strength. usually Latex gloves are going to be more comfortable, sensitive, and provide higher grip, although the modern advances in nitrile glove manufacturing has seen <u>nitrile gloves</u> become more comfortable, thinner, with better dexterity.

#### Related projects: - Rubber & Plastic Industries





Latex Gloves from the safety Zone provide the most effective feel, work and dexterity. Latex gloves are on the market in each gently powdered and powder free choices in a very variety of thicknesses. Lightly powdered latex gloves are produced with a <u>food</u> grade corn starch powder, creating donning easier particularly when hands are wet. Powder free gloves go through an extra process of chlorinating the gloves to ease donning. Polymer coated latex gloves offer a further barrier to forestall latex proteins from touching the skin.

**Related Projects: - Rubber and Rubber Products** 





The physical properties of latex provide protection from bio hazardous risks while superior elasticity and tensile strength. These properties give unsurpassed user comfort and a reasonable resistance to cuts and abrasions. As latex gloves are manufactured from a naturally occurring substance, they possess greater <u>biodegradability</u> and are kinder to the surroundings than Vinyl and nitrile gloves that are manufactured from man-made <u>synthetic</u> materials.





### **Advantages of Latex & Nitrile Gloves**

Users of nitrile examination gloves cannot always control the <u>environment</u> within which they're going to be used, thus selecting the proper glove for the task is essential. From the perspective of comfort, nitrile softens rapidly on the skin to produce the foremost comfortable experience, even once the glove is used for extended periods. Close fitting nitrile provides increased tactility, particularly with small roughened fingertips. The texture of the glove can either reduce the surface friction or enhance the grip. Small roughened texture is ideal for applications with additional grip to handle tools and tiny objects while not disturbing patients or procedures. The aggressive texture is best for applications that require added surface contact and a stronger grip.



Nitrile could be a special reasonably polymer, created out of variety of compounds, that once combined along kind a base like <u>rubber</u>. At the time of beginning, nitrile Gloves were a lot of commonly utilized in the <u>chemical</u> and abrasion units in the world, whereas currently they are wild utilized in numerous professions that additionally include the medical/<u>healthcare</u> business, especially areas and set-ups that create high risk of contact and contamination.

Latex <u>disposable</u> gloves are a popular alternative in each the industrial and Medical industries and are wide utilized in applications in medical and dental, child care and senior care, <u>food</u> service and <u>food</u> processing, janitorial and sanitation, automotive and manufacturing industries.

Related Books: - <u>Rubber Processing And Compounding Technology</u> <u>Books</u>



Furniture refinishers – Another group of workers who can greatly benefit from nitrile gloves is composed of furniture refinishers. These workers often deal with stains, solvents, and polyurethanes. With the help of nitrile gloves, their protection is guaranteed one hundred percent.

- Resistance to oil and <u>petroleum products</u>
- Excellent solution for sealing applications
- ➢ Good compression set
- Abrasion resistance
- Resistance to heat
- Resistance to abrasion
- $\succ$  Resistance to <u>water</u>
- Resistance to gas permeability
- Can be compounded for service of temperatures up to 250°F (121°C)



## **Special Features Nitrile gloves**

- Moulds to your hand for a great fit
- Latex free
- Good durability
- Excellent puncture resistance
- Have a long shelf life
- Available in powdered and powder free
- Can be worn for longer periods of time
- Work well for high-risk situations involving infectious materials





## **Special Features Latex gloves**

- Fit like a second skin
- They are cost effective
- They are <u>biodegradable</u> so better for the environment
- Very elastic and strong
- Preferred in the medical industry over nitrile as they are made from a natural source
- Good dexterity





## Uses:-

Nitrile rubber is used in an exceedingly wide range of applications, such as O-rings, gaskets, oil seals, automotive transmission belts, hoses, V belts, synthetic leather, <u>disposable</u> non-latex gloves, printer's type rollers and cable jacketing. NBR latex can even be utilized in the preparation of adhesives or as a pigment binder.

Related videos: - <u>Surgical Hand Gloves Manufacturing, Medical Gloves</u> <u>Production, Sterile Surgical Gloves</u>

**Production of Powder Free Disposable Nitrile Gloves** 

How to Manufacture Disposable Plastic Gloves





Latex gloves are usually most popular by care providers since they provide the most effective service once it involves elasticity, comfort and fit. Surgeons in particular have the benefit of latex gloves since they're nice for sensitive work, since they provide a lot of precision with high tactile sensitivity.

- Nitriles are used in the manufacture of nitrile gloves, seals, and hoses as they exhibit resistance to chemicals.
- They are used as an antidiabetic drug which is used in the treatment of breast cancers.
- The compound of nitrile called as pericyazine is used in treating opiate dependence as antipsychotic.
- > This compound is found in many plant and animal sources.
- They are utilized in the applications of oil resistant substances and also for low-temperature uses



## **Market Outlook**

## **Market of Nitrile Gloves**

The Global <u>Nitrile Gloves</u> Market is expected to reach USD 3.50 Billion by 2027. Growth in the incidences of epidemic diseases and the subsequent increase in the demand for infection prevention and control utilities are expected to drive the market demand in the forecast period. Nitrile gloves are primarily used in the medical sector as a safety tool to prevent the spreading of infection between caretakers and patients. The benefits offered by nitrile gloves include superior strength, longevity, and better protection against blood borne pathogens.





Asia Pacific market is estimated to witness the fastest growth rate of 6.5% in the nitrile gloves market. This can be chiefly attributed to the growth of the <u>healthcare sector</u> and the <u>food processing industry</u> in the leading countries in this region, especially China, <u>India</u>, and South Korea.

Rising concerns regarding latex allergy are the most important driver of nitrile glove market. Ban on powdered gloves by the FDA (U.S. Food and Drug Administration) and in some European countries is escalating the demand for powder-free nitrile gloves. Strict laws regarding workers' safety as well as a high concentrate on hygiene across various end-use industries similar to oil and gas, <u>chemical</u>, and <u>food processing</u> are further boosting the demand for nitrile gloves globally. Moreover, nitrile gloves have higher <u>chemical</u> and puncture resistance than latex gloves that is also completely impacting their demand in numerous industries.



Geographically, U.S. dominates the worldwide nitrile gloves market because of the ban on powdered medical gloves and high number of cases regarding latex allergies within the country.

By type, world nitrile gloves market has been segmental as powdered and powder-free. Powder-free nitrile gloves market can grow at a high CAGR throughout the projected period because of the growing health concern concerning the utilization of powdered gloves. Recent ban on the utilization of powdered gloves in <u>health care facilities</u> by the FDA any reduces the demand for powdered nitrile gloves, thereby positively impacting the growth of powder-free nitrile gloves market.

Related Videos:- <u>https://bit.ly/2UODuh0</u>

https://bit.ly/2Y8J4wK



The global <u>disposable</u> gloves market is very competitive. Innovations, sustainability, and regulative adherence constitute three pillars for the <u>disposable</u> gloves market success. Factors similar to the growth within the aging population, awareness of infection prevention standards, and growth of healthcare <u>infrastructure</u> are the most important factors contributing to market growth. However, growth in medical tourism, advancement in surgical techniques and medical instrumentality, increase in public and personal investments and government initiatives, the onset of pandemic diseases, and therefore the rise in chronic diseases are different drivers stimulating the demand for <u>disposable</u> gloves.





Growing awareness referring to well-being and hygiene amongst medical professionals and patients is calculable to spice up market growth. However, the risk of worth group action from native producers is expected to limit the growth of the market. Prospects in untapped markets that have high potential because of the ongoing development of healthcare infrastructure, increase in occurrences of chronic diseases, and therefore the demand for <u>surgical</u> interventions would further fuel the demand.





## **Market of Latex Gloves**

Latex gloves are natural material, made out of rubber. Gloves are disposable items used during medical examinations and procedures intended to prevent cross-contamination between healthcare providers and patients. Examination gloves are sized in XS, S, M and L. Some brands also offer size XL. Gloves are mainly used by healthcare professionals generally for examination and surgery. Surgical gloves are generally sized more specifically since they are worn for a much longer period of time and require excellent dexterity. There are various benefits of latex gloves such as properly fit to skin, good touch sensitivity, cost-effective, can be worn for an extended amount of time, elastic & strong and most importantly it is biodegradable.



India Latex Gloves market generated \$303 million in 2017, and is projected to reach \$760 million by 2025, growing at a CAGR of 12.4% from 2018 to 2025. In terms of volume, the market is growing at a CAGR of 8.3% from 2018 to 2 the global latex gloves market is mainly driven by rising awareness of hygiene and safety among health care professionals and patients. Latex gloves are utilized in various industries that include <u>pharmaceutical</u>, <u>healthcare</u>, food, <u>biotechnology</u>, <u>automobile</u>, and others. Latex gloves provides safety throughout many activities that embrace reactive materials, toxic chemicals, or unhygienic conditions. Additionally, manufacturing procedure of specific products similar to medical device, drugs and foods, that involve high level of hygiene and handling of those products is that the crucial operation that will cause a product contamination if correct care isn't taken.



Because of the requirement for staff safety, product internal control, hygiene, and conjointly protection against <u>chemicals</u>, the demand for latex gloves is anticipated to upswing in future. Moreover, rise in usage of latex gloves by doctors, health care professionals, and surgeons to avoid the infections and different complications. Furthermore, latex gloves have application in household functions for washing and cleansing. Thus, because of rising concern for hygiene, product quality, and safety the market of latex gloves anticipates assured growth within the future.025.





North America was a leading market for latex gloves, in terms of revenue, owing to increasing prevalence of various diseases and rising demand for sterile gloves. North America was followed by Europe in same year. The market in North America is expected to register a high growth, The demand for medical gloves has surged up rapidly in countries such as the UK, China, the US, India, Iran, and Italy due to the outbreak of the COVID-19 pandemic. The disease has increased the importance of hygiene among individuals. The market landscape of <u>disposable</u> gloves, which are fast turning into retail commodities, is expected to be accelerated.





On the other hand, the non-hospital segment is additionally expected to witness significant growth because of the increasing use of those gloves in various end-user industries especially chemical, food & liquid industries, among others, to forestall the workers from toxic <u>chemicals</u> and <u>chemical</u> reactions. The growth will be attributed to the advantages of reusable gloves admire higher hand protection and increased durability as compared to straightforward latex gloves. Also, reusability of the gloves can facilitate in price savings and waster generation consequently, these advantages can boost the product demand, fostering the market growth.





## Role of gloves in covid-19

- Medical gloves are used by health care personnel to prevent the spread of infection or illness. Medical gloves are <u>disposable</u> and include patient examination gloves and surgeon's gloves.
- ➢ To help expand the availability of medical gloves, the FDA is providing regulatory flexibility, as described in the enforcement policy for gloves that is in effect during the COVID-19 public health emergency.





- When a person touches an object/surface contaminated by COVID-19 infected person, and then touches his own eyes, nose, or mouth, he may get exposed to the virus. Although this is not thought to be a predominant mode of transmission, care should be exercised while handling objects/surface potentially contaminated by suspect/confirmed cases of COVID-19.
- Nitrile gloves are preferred over latex gloves because they resist <u>chemicals</u>, including certain <u>disinfectants</u> such as chlorine. There is a high rate of allergies to latex and contact allergic dermatitis among health workers. However, if nitrile gloves are not available, latex gloves can be used. Non-powdered gloves are preferred to powdered gloves.

**Related Projects: - Business Ideas after the Covid Breakdown** 



### **Key Players**

Ansell Limited, Hartalega Holdings Berhad (Gloveon), B. Braun Melsungen AG, Semperit AG Holding, Medline Industries, Inc., MRK Healthcare Pvt. Ltd., RFB Latex Limited, Primus Gloves Private Limited, Kanam Latex Industries Pvt. Ltd., and Asma Rubber Products Pvt. Ltd., Sara Healthcare P Ltd., Vijayalakshmi Health & Surgicals Pvt. Ltd., Dahanu Rubber Gloves Manufacturing Co., Plasti Surge Industries Pvt. Ltd., Safeshield India Rubber Products Pvt. Ltd., Sara Healthcare Pvt. Ltd., and 3p India.





## Major Queries/Questions Answered in the Report?

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



5. What is the structure of the Latex & Nitrile Gloves Manufacturing Business and who are the key/major players ?

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- 10. What are the requirements of raw material for setting up Latex & Nitrile Gloves Manufacturing plant ?
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## **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 Latex & Nitrile Gloves." provides an insight into Latex & Nitrile Gloves market in India with focus on uses and applications, Manufacturing Process, Process Flow Sheets, Plant Layout and Project Financials of Latex & Nitrile Gloves project. The report assesses the market sizing and growth of the Indian Latex & Nitrile Gloves 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: www.entrepreneurindia.co

- 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 Latex & Nitrile Gloves sector in India along with its business prospects. Through this report we have identified Latex & Nitrile Gloves project as a lucrative investment avenue.



## Tags

#latexgloves #nitrilegloves #latex #rubbergloves #surgicalgloves #satingloves #longgloves #leathergloves #latex #COVID19 #disposablegloves #Vinylgloves #gloves #HandGloves #businessopportunity #projectreport #DetailedProjectReport #businessconsultant #startyourbusiness #businessfeasibilityreport #BusinessPlan #investmentopportunity #growyourbusiness #startups #covidbusiness #covid19 #covidsmallbusiness #startyourbusiness #investmentopportunity #growyourbusiness #business #covidbusiness #startups #covidsmallbusiness



Niir Project Consultancy Services (NPCS) can provide Detailed Project Report on <u>Manufacturing of Disposable Latex &</u> <u>Nitrile Gloves.</u> Opportunities for Entrepreneurs in

Disposable Surgical and Medical Hand Gloves Industry.





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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.



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

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......<u>Read more</u>



## **Contact us**

## **NIIR PROJECT CONSULTANCY SERVICES**

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## An ISO 9001:2015 Company



## Who are we?

- One of the leading reliable names in industrial world for providing the most comprehensive technical consulting services
- We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad



We at NPCS want to grow with you by providing solutions scale to suit your new operations and help you reduce risk and give a high return on application investments. We have successfully achieved top-notch quality standards with a high level of customer appreciation resulting in long lasting relation and large amount of referral work through technological breakthrough and innovative concepts. A large number of our Indian, Overseas and NRI Clients have appreciated our expertise for excellence which speaks volumes about our commitment and dedication to every client's success.



We bring deep, functional expertise, but are known for our holistic perspective: we capture value across boundaries and between the silos of any organization. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces. We actively encourage a culture of innovation, which facilitates the development of new technologies and ensures a high quality product.



## What do we offer?

- Project Identification
- Detailed Project Reports/Pre-feasibility Reports
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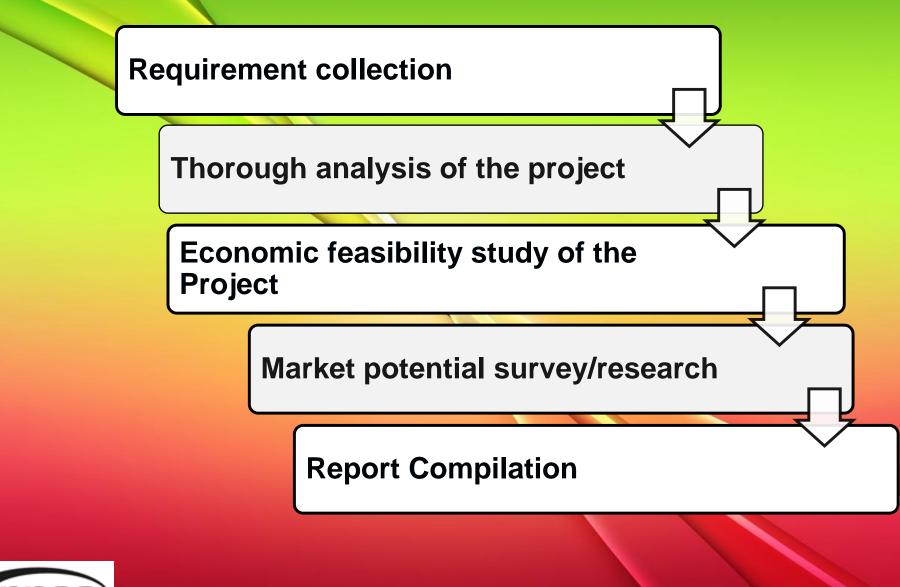


## How are we different ?

- We have two decades long experience in project consultancy and market research field
- We empower our customers with the prerequisite know-how to take sound business decisions
- We help catalyze business growth by providing distinctive and profound market analysis
- We serve a wide array of customers, from individual entrepreneurs to Corporations and Foreign Investors
- We use authentic & reliable sources to ensure business precision



## **Our Approach**



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