

# Rubber Processing and Compounding Technology Books, Rubber Processing Chemicals and Leather Processing Technology Books

## [Leather Processing & Tanning Technology Handbook](#)

**Author:** NIIR Board of Consultants & Engineers

**Format:** Paperback

**Book Code:** NI143

**Pages:** 592

**ISBN:** 9788190568593

**Price:** Rs. 1,400.00 **US\$** 37.83

Leather Industry has been one of the traditional industries operating at present. The hides and skins of animals are the source of leather and preserving hides and tanning them into leather has become an important industry. Leather-making is now a scientifically based industry, but still retains some of the charm and mystery of the original craft. Animal skin that has been processed to retain its flexibility, toughness, and waterproof nature is known as leather. "Leather tanning" is a general term for the numerous processing steps involved in converting animal hides or skins into finished leather. Tanning is the final process in turning hides and skins into leather. Tanning involves a complex combination of mechanical and chemical processes. The heart of the process is the tanning operation itself in which organic or inorganic materials become chemically bound to the protein structure of the hide and preserve it from deterioration. The main chemical processes carried out by the tanner are the unhairing, liming, tanning, neutralizing and dyeing. This indispensable handbook provides a detailed insight into the leather industry, leather processing and tanning technology with manufacturing of different forms of leather products. The book contains the manufacturing process of different forms and type of leather products like box and willow sides, glazed kid, sole leather, lace leather, belting and bag leather, chamois leather, upholstery leather, antique leather, light and fancy leather, etc. to name a few. This book will be very helpful to its readers, upcoming entrepreneurs, scientists, existing industries, technical institutions, technocrats, etc.

**Directory/ Database/ List of Rubber Industries/ Companies in India  
(Manufacturers of Rubber & Rubber Products, Rubber Chemicals,  
Machinery Suppliers etc.) 5th Edition [.xlsx, excel format]**

**Format:** CD-Rom

**Book Code:** NID84

**Price:** Rs. 4,248.00 **US\$** 150.00

Offline Business directory is the best thing in today's business world. If you are searching for Buyers, then this Directory/Database is the perfect tool for you. By having the right business leads, you would be able to have immediate communication with prospective businesses, partners and customers through this boundless list of Rubber Industries/ Companies in India (Manufacturers of Rubber & Rubber Products, Rubber Chemicals, Machinery Suppliers etc.) in excel format, .xls We offer an extensive suite of Directories/ database to assist you in reaching the right businesses and people quickly and easily. Business Directories are used for sales planning, finding Buyers and marketing research to perform business analysis. With our company database/Directory, you will have access to company list. You will find a business list consisting of company contact details. We compiled list of companies in excel format to give you access to over hundred thousands of major & minor businesses and companies. From small business to Corporate Houses, our data is complete with business contact information to help you connect with the right companies or buyers. This database collection is a great resource for those suppliers who offer their goods and services to Rubber Industries/ Companies in India (Manufacturers of Rubber & Rubber Products, Rubber Chemicals, Machinery Suppliers etc.) like, Rubber Companies, Rubber Chemical Suppliers, Mould, Latex, Automobile Industries, Exporters, Buying Houses, Buying Agents, Traders, Garment Showrooms, Wholesalers, Retailers, Cargo Shipper, Clearing Agents, Travel Agents, Custom House Clearing Agents, Bank, Money Exchanger, Packaging Material Suppliers, Plant & Machinery Suppliers, Office Equipment Suppliers, Office Furniture Suppliers, Mobile Companies, Raw Material Suppliers, Advertisement Agencies, Office Stationery Suppliers, Transporters, Courier Companies, IT, Software Companies, Placement Companies, Labour Contractors etc. Information in this database contains over 8,100 records of Rubber Industries/ Companies in India. Details Includes: Company Name (8,100 ), Contact Person (3,300), Postal Address (8,250 ), Phone No. (7,750 Landline or Mobile), Fax (2,500), E-mail (6,200), Website (2,000). Note: All Records does not contain all fields of information. However, maximum information has been incorporated. Format: MS Excel, .xlsx

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## [The Complete Book on Rubber Processing and Compounding](#)

# Technology (3rd Revised Edition)

**Author:** P.K. Tripathi

**Format:** Paperback

**Book Code:** NI174

**Pages:** 632

**ISBN:** 9788178331621

**Price: Rs. 2,275.00 US\$ 58.00**

Rubber processing and compounding refer to the process of transforming natural or synthetic rubber into various usable products, such as tyres, rubber seals, belts, and hoses. The rubber processing industry encompasses various methods of transforming raw rubber into useful products, which include blending, mixing, extrusion, molding, and curing. Rubber compounding involves the addition of various additives, such as carbon black, antioxidants, curing agents, plasticizers, and other chemicals, to modify the physical and mechanical properties of the rubber. Compounding ingredients and techniques vary according to the end-use application and the desired properties of the final product. Rubber compounds are widely used in various industries, including automotive, construction, electrical, and healthcare. The unique properties of rubber compounds, such as durability, flexibility, and resistance to heat and chemicals, make them ideal for various applications. The market for rubber processing and compounding is positive, with increasing demand for high-performance and environmentally sustainable rubber products. Key trends driving this growth include a growing demand for electric vehicles, advancements in tyre technology, and increased demand for rubber products in emerging markets. The market is expected to grow at a steady rate in the coming years, with a compound annual growth rate (CAGR) of 5.3%. This growth can be attributed to the rising demand for high-performance and eco-friendly rubber products. The increasing demand for rubber processing and compounding services in the Asia-Pacific region is one of the primary drivers of the market growth. China and India are the key markets in the region, with high growth potential due to the growing automotive industry and government initiatives promoting the use of eco-friendly materials. Moreover, the increasing demand for tyres, rubber seals, gaskets, and hoses, coupled with advancements in the manufacturing process, is driving the growth of the market. Another trend driving the market is the growing focus on sustainability and reducing the carbon footprint. Many companies are investing in research and development to develop sustainable rubber products. The rubber processing and compounding industry is witnessing rapid growth in recent years. With the increasing demand for rubber products across various industries such as automotive, construction,

healthcare, and electronics, the market outlook for this industry looks promising. The book's main contents are Mixing Technology of Rubber, Techniques of Vulcanization, Rubber Vulcanization, Rubber Compounding, Rubber Gloves Manufacturing, Condoms Manufacturing, Rubber Band Manufacturing, Latex Mattress Manufacturing, Rubber Bushings Production, Rubber Gasket Manufacturing, Rubber Sheets Manufacturing, Rubber Tubing and Its Manufacturing, Tyre Manufacturing, Waste Tyre Recycling Process, Hoses Manufacturing, Conveyor Belt Production, Latex and Foam Rubber, Silicone Rubber, Reclaimed Rubber, Rubber Natural. The Manufacturing Process, Machinery Equipment Details, and Photographs with Suppliers Contact Details are also given. A total guide to manufacturing and entrepreneurial success in today's most demandable rubber processing and compounding industry. This book is one-stop guide to one of the fastest growing sectors of the rubber processing and compounding industry, where opportunities abound for manufacturers, retailers, and entrepreneurs. This is the only complete handbook on the commercial production of rubber. It serves up a feast of how-to information, from concept to purchasing equipment.

## [Directory/ Database/ List of Leather Industries/ Companies in India \(4th Edition\)](#)

**Format:** CD-Rom

**Book Code:** NID125

**Price:** Rs. 3,658.00 **US\$** 150.00

Offline Business directory is the best thing in today's business world. If you are searching for Buyers, then this Directory/Database is the perfect tool for you. By having the right business leads, you would be able to have immediate communication with prospective businesses, partners and customers through this boundless list of Leather Industries/ Companies in India in excel format, .xls We offer an extensive suite of Directories/ database to assist you in reaching the right businesses and people quickly and easily. Business Directories are used for sales planning, finding Buyers and marketing research to perform business analysis. With our company database/Directory, you will have access to company list. You will find a business list consisting of company contact details. We compiled list of companies in excel format to give you access to over hundred thousands of major & minor businesses and companies. From small business to Corporate Houses, our data is complete with business contact information to help you connect with the right companies or buyers. This database collection is a great resource for those suppliers who offer their goods and services to Leather Industries/ Companies in India like, leather tannery, Leather Chemicals, Glues, Adhesives, Exporters, Buying Houses, Buying Agents, Traders, Garment Showrooms, Wholesalers, Retailers, Cargo Shipper, Clearing Agents, Travel Agents, Custom House Clearing Agents, Bank, Money Exchanger, Packaging Material Suppliers, Plant & Machinery Suppliers, Office Equipment Suppliers, Office Furniture Suppliers, Mobile Companies, Raw Material Suppliers, Advertisement Agencies, Office Stationery Suppliers, Transporters, Courier Companies, IT, Software Companies, Placement Companies, Labour Contractors etc. Information in this database contains over 6,350 records of Leather Industries/ Companies in India. Details Includes: Company Name (6,350), Contact Person (4,000), Postal Address (6,300), Phone No. (5,900 Landline or Mobile), Fax (2,600), E-mail (5,850), Website (1,600). Note: All Records does not contain all fields of information. However, maximum information has been incorporated. Format: MS Excel, .xlsx

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## [The Complete Book on Rubber Chemicals](#)

**Author:** NPCS Board of Consultants & Engineers

**Format:** Paperback

**Book Code:** NI220

**Pages:** 672

**ISBN:** 9788178331218

**Price:** Rs. 1,575.00 US\$ 42.56

Rubber Chemicals are essential additives for the manufacture and quality improvement of rubber products such as automobile tires, rubber hoses, and quake absorbing rubbers. For rubber processing and compounding certain chemicals are required which are known as rubber chemicals. The primary requirement of adding different compounding ingredients to develop the different grades of rubber compounds to meet various service needs at an economic price and to provide certain desired physical properties to a considerable extent. Some of the examples of rubber chemicals are waxes, amines, thiazoles, silicone resins, alcohol, sulphuric acids, dithiocarbamates, phosphoric acid etc. They are mostly applicable for white and coloured rubber. They are generally used in rubber tubing, conveyor belt cover balloons, hot water bottles injection bottle caps, footwear related items etc. Indian rubber chemical industry has high growth potential triggered by increased consumption and steady growth in tyre and rubber industries. The speciality chemicals industry in India is projected to grow at 15-17 % per year to reach \$ 80-100 billion by 2020. The demand for rubber chemicals is on the rise. All major manufacturers have raised the prices of their products substantially. Massive investment is expected to flow into the rubber chemicals manufacturing sector in India in the coming years from both domestic and global players. The book covers different types, physical and chemical properties, applications of different rubber chemicals like waxes, synthetic organic chemicals, amines, silicones resins, releasing agents, stabilizers, solvents and many more. Some of the fundamentals of the book are synthetic hydrocarbon waxes, uses of amines in polymers, synthetic organic chemicals, analysis of specific anti-degradants, stabilization of halogenated polymers, anaerobic fermentations, the manufacture of sulfuric acid, analysis of dithiocarbamate esters, sodium hyposulfite (hydrosulfite), citric acid, gluconic acid, acetic acid, itaconic acid, kojic acid etc. Rubber chemicals have a huge potential growth in future and considering the importance of the chemical we have brought out this book which will be an invaluable resource to rubber chemical manufacturers, technocrats, researchers, consultants and new entrepreneurs.



# Handbook on Rubber and Allied Products (with Project Profiles)

**Author:** NPCS Board

**Format:** Hardcover

**Book Code:** NI252

**Pages:** 163

**ISBN:** 9789381039267

**Price:** Rs. 2,295.00 US\$ 61.95

\*\*\*\*\* Limited Edition (AVAILABLE IN PHOTOSTAT VERSION ONLY) \*\*\*\*\*

Rubber products industry is an important resource based industry sector in India. Over the last decade the rubber industry has witnesses a steady and strong growth. Rubber exhibits unique physical and chemical properties. Rubber's stress-strain behavior exhibits the Mullins effect and the Payne effect, and is often modeled as hyperelastic. Rubber strain crystallizes. Owing to the presence of a double bond in each repeat unit, rubber is susceptible to vulcanisation and sensitive to ozone cracking. The two main solvents for rubber are turpentine and naphtha (petroleum). The former has been in use since 1764 when François Fresnau made the discovery. Giovanni Fabbroni is credited with the discovery of naphtha as a rubber solvent in 1779. Because rubber does not dissolve easily, the material is finely divided by shredding prior to its immersion. Rubber particles are formed in the cytoplasm of specialized latex-producing cells called laticifers within rubber plants. Rubber particles are surrounded by a single phospholipid membrane with hydrophobic tails pointed inward. The membrane allows biosynthetic proteins to be sequestered at the Surface of the growing rubber particle, which allows new monomeric units to be added from outside the biomembrane, but within the laticifer. The rubber particle is an enzymatically active entity that contains three layers of material, the rubber particle, a biomembrane, and free monomeric units. The monomer adds to the pyrophosphate end of the growing polymer. The process displaces the terminal high-energy pyrophosphate. The reaction produces a cis polymer. The initiation step is catalyzed by prenyltransferase, which converts three monomers of isopentenyl pyrophosphate into farnesyl pyrophosphate. The farnesyl pyrophosphate can bind to rubber transferase to elongate a new rubber polymer. The major contents of this book are project profiles of projects like Processing of Crude Rubber, Latex Rubber Foam Products, Rubber Floor Mats, Latex Rubber Threads, Rubber Compounding for Automotive Industry, Rubber Gaskets, Reclaim Rubber, Rubber Powder from Waste Tyre, Carbon Black from Waste Tyre Pyrolysis, Equipments used in Rubber Industry. Project profile contains information like; Introduction, Uses and Applications, Properties, Manufacturing Process, Plant Economics, Rated Plant Capacity, Plant & Machinery, Fixed Capital, Raw Material, Total Working Capital, Cost of

Project, Total Capital Investment, Turn Over/ Annum, Profit Sales Ratio, Rate of Return, Break Even Point (B.E.P). This book is very useful for new entrepreneurs, technical institutions, existing units and technocrats etc.

**Directory / Database of Corporate/Leading Companies in Indian Rubber and allied Products (Rubber Products, Rubber Chemicals, Machinery) with Financial Figures (8th Edition) [.xlsx, excel format]**

**Format:** CD-Rom

**Book Code:** NID178

**Price:** Rs. 5,015.00 **US\$** 150.00

"Products: Rubber, Synthetic Rubber, Reclaimed Rubber, Waste, Parings & Scrap of Rubber, Vulcanized rubber thread & cord, Unvulcanised rubber products, Plates, Sheets, Strip, Rods etc. of Vulcanized rubber, Hoses, Tubes & Pipes of vulcanised Rubber, Conveyor or Transmission Beltings of Vulcanised Rubber, Solid Rubber Tyres, Hygine & Pharmaceutical rubber Products, Rubber articles of Apparel & Clothing, Hard Rubber in all form & articles, Other Rubber Products. Contains: 1,367 records with following Information: Name of Company, Address, City, Pin Code, Phone, Fax, Email (1,119), Website (628). Name of Directors, Location of Plants, Project Capacity, Production, Name of Products, Turnover, Product industry Code, List of Major Raw Materials with their consumption quantity & Raw material value, credit ratings. Comparison amongst companies ( Cash Flow, Cost as % of sales, Forextransactions, Growth in Assets & Liabilities, Growth in Income & Expenditure, Income & expenditure, Liabilities, Liquidity Ratios, Profitability Ratio, Profits, Return Ratios, Structure of Assets & Liabilities (%), Assets, Working Capital & Turnover Ratios) (\*Wherever available) Note: All Records does not contain all fields of information. However, maximum information has been incorporated. Format: MS Excel, .xlsx "

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**Indian Buyers Directory/ Database /List of Plastic & Rubber Products (Wax, Coated, Laminated Pvc's Film, Packaging Materials, Etc.) (with Financial Data)**

**Format:** CD-Rom

**Book Code:** NID209

**Price:** Rs. 4,130.00 **US\$** 150.00

Indian Buyers Directory/ Database /List of Plastic & Rubber Products (Wax, Coated, Laminated Pvc's Film, Packaging Materials, Etc.) (with Financial Data) Recommended for Packaging Industries, Automobile Companies, Importer/Exporters/Traders  
Offline Business directory is the best thing in today's business world. If you are searching for Buyers, then this Directory/Database is the perfect tool for you. By having the right business leads, you would be able to have immediate communication with prospective businesses, partners and customers through this boundless list of All India Companies in csv excel editable format (easy sorting and filtering). We offer an extensive suite of Directories/ database to assist you in reaching the right and targeted businesses and people quickly and easily. Business, B2B&Irm;, Industrial Directories, Mailing List are used for sales planning, finding Buyers, Sector, Business House and marketing research to perform business analysis. With our company database/Directory, you will have access to company list, Corporate/Leading Companies, Small & Medium Enterprises (SME), you will find a business list consisting of company contact details. We compiled list of companies in excel format to give you access to over hundred thousands of major & minor businesses and companies. From small business to Corporate Houses, our data is complete with business contact information to help you connect with the right companies or buyers. This database collection is a great resource for Buyers and those suppliers who offer their goods and services to Trade, Manufacturing industry, Companies, Corporate Houses & Industries in India. Contains over 1132 Indian buyers - details of buyers Include: Name of Buyer (Company), Address, City, Pin Code, Phone, Fax, Email\*, Website\*, Name of Directors, Location of Plants, Production Capacity, Name of Products, Turnover, Product industry code, List of Major Raw Materials with their consumption quantity & Raw material value, Note: All Records does not contain all fields of information. However, maximum information has been incorporated. Format: MS Excel

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## About NIIR

**NIIR PROJECT CONSULTANCY SERVICES (NPCS)** is a reliable name in the industrial world for offering integrated technical consultancy services. NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.

Our various services are: Detailed Project Report, Business Plan for Manufacturing Plant, Start-up Ideas, Business Ideas for Entrepreneurs, Start up

Business Opportunities, entrepreneurship projects, Successful Business Plan, Industry Trends, Market Research, Manufacturing Process, Machinery, Raw Materials, project report, Cost and Revenue, Pre-feasibility study for Profitable Manufacturing Business, Project Identification, Project Feasibility and Market Study, Identification of Profitable Industrial Project Opportunities, Business Opportunities, Investment Opportunities for Most Profitable Business in India, Manufacturing Business Ideas, Preparation of Project Profile, Pre-Investment and Pre-Feasibility Study, Market Research Study, Preparation of Techno-Economic Feasibility Report, Identification and Section of Plant, Process, Equipment, General Guidance, Startup Help, Technical and Commercial Counseling for setting up new industrial project and Most Profitable Small Scale Business.

NPCS also publishes various process technology, technical, reference, self employment and startup books, directory, business and industry database, bankable detailed project report, market research report on various industries, small scale industry and profit making business. Besides being used by manufacturers, industrialists and entrepreneurs, our publications are also used by professionals including project engineers, information services bureau, consultants and project consultancy firms as one of the input in their research.

Our Detailed Project report aims at providing all the critical data required by any entrepreneur vying to venture into Project. 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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