



Radha Madhav Corporation Limited

Survey No.50/9A, Daman Industrial Estate, Kadaiya, Nani Daman, UT-396210

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• FMCG Industry

MOPVC, MOPET Shrink Film

MOPVC Films

RMCL manufactures a high-grade MOPVC shrink film which provides the packaging market an extremely cost-effective and attractive alternative to directly printing on bottles. This film helps make beverage bottles smart and colourful and they allow a variety of customized looks along with a standardization of the containers, which further cuts costs. This is a first of its kind project in India. RMCL has invested in the highly advanced Tentre Frame Technology brought from DMT of France. Using Tentre Frame the thickness variation of the film is extremely less and hence it makes it printable with multicolored and attractive designs.

Characteristics:

- Perfect shrinkage
- High-impact strength
- Brilliant clarity
- High-resolution graphics
- Gauge uniformity
- Gravure, flexo, digital, or rotary offset printable

Applications :

Suitable for all types of bottles, cups, trays and containers

MOPET Films

PET sheets manufactured on our Reifenhauer calendar machine is further stretched on Tenter Frame to manufacture high quality shrink film. These films shrink up to 65% in Transverse direction compared to approximately 58% shrinkage for MOPVC films.

MOPET film is also preferred over PVC film because they can be recycled along with PET bottles without causing contamination.





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Polyolefin Shrink Films

High clarity films with high cling and tearing properties

RMCL manufactures a multipurpose polyolefin shrink film and markets the same under three separate brands called Krimpin - a high shrink force film; PROSHRINK - a film with high memory retention properties and Opto - vac - a film with excellent aesthetic properties. This film delivers exceptionally on protection, performance and environmental parameters and has excellent memory properties.



Extrusion Coated Laminates

High quality extrusion coating for excellent packaging appearance

RMCL manufactures extrusion coated and laminated consumer packaging materials using a combination of paper, board, film, aluminium foil etc. These laminates provide an extremely good and reliable barrier against moisture, light, oxygen, grease, odours and gas diffusion.





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Printed Laminated Packaging

RMCL produces a wide range of custom designed film and foil based laminate structures for flexible packaging applications. These laminates are combinations of different or similar films designed to optimise the mechanical and functional properties of each single film. When these films are glued together with an adhesive they act together to multiply the performance of the individual films. The adhesives used are typically solvent free but can be solvent, water, UV, extrusion or hotmelt systems.

Printed laminates for medicines

RMCL offers an innovative range of laminated and extrusion coated packaging solutions for hygiene, healthcare and medical applications. It has a complete range of substrates, polymers, co-extrusion capabilities, printing and finishing possibilities. It can also offer tailor made products as per the nature of the drug which provides protection and also keeps the potency and shelf life of the product intact.

Its range comprises of-

- Flexible printed laminates - a wide range of custom designed film and foil based laminate structures, printed in upto 9 colour high quality process, for primary packaging of medicines, tablets, oral dehydration powder etc

- Dry/solvent-less/ water based adhesive laminates -for wide range of applications where high bond or solvent free environment is desired.

Extrusion coated laminates

A wide range of packaging, printing and finishing solutions using a combination of paper, board, film, aluminium foil etc. These laminates provide an extremely good and reliable barrier against moisture, light, oxygen, grease, odours and gas diffusion. Used within the food industry, pharma & health care industry, pet food industry, household & chemical industry and many high barrier applications.





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Thermoformable printed laminates

RMCL produces innovative, high-quality thermoformable film laminates for the snacks and pick off the shelf products. These packaging concepts have an appealing design and attractive presentation. They ensure a long product shelf life, have a high puncture resistance, ensure easy opening and simple handling.

Characteristics:

Cost-effective.Variety of sealing types. Excellent gloss and clarity Can be surface printed with random or continuous print

Applications:

High quality retail applications and food service applications

Its range comprises of-

PVC + PE printed laminates

This is a specially laminated film with PVC and PE material. Also called as a barrier film it is often used for food container application where sealing with a peelable PE is required. It provides a higher oxygen and water barrier than standard PVC film.

Application: Clamshells, Blisters, Thermoform packaging, Pharmaceutical packaging

PET + PE printed laminates

This is a composite film made up of PET- film and PE- film, applied by lamination. PET film can be reverse printed or surface printed and the PE film can be selected to offer the desired performance properties such as peelability or modified to have high hot tack, etc. The film can be printed up to 8 colors.

Application:

Top films for rigid thermoformed containers, vacuum pouches, etc.

BON + Aluminium + PE printed laminates

This is a special high barrier laminate created from BON (Bi-axially Oriented Nylon) film, with excellent oxygen and aroma barrier properties, but it is a poor water vapour barrier. BON is much stiffer than cast nylon film, but cannot be thermoformed.





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Printed laminates for food and beverages

RMCL offers various kinds of flexible packaging with combinations of various materials like polyester film, aluminium foil, paper, BOPP, LDPE, cellophane etc without / with printing up to 9 colours. It also offers reverse printed film laminates. It manufactures laminated rolls, pouches, wrappers, labels, HMA coated soap wrappers, surface printed co-ex films etc. RMCL uses gravure or flexo technology for printing and solvent based, solvent less, water based or extrusion coating technology for lamination. It also has exclusive tie-ups with cylinder engravers. It can offer printing of the highest quality, perfect registration and vibrant colour reproduction.

Characteristics:

- Offers excellent barrier against moisture, oxygen, light and grease
- Efficient performance on high-speed packaging lines
- Impressive printing results create powerful branding and recognition
- Extremely convenient and user-friendly
- High-barrier laminates for optimal product protection

Applications:

High quality retail applications and food service applications

The highlights of its offering are:

- Central Impression Flexo Printed laminates
- Roto-Gravure Printed laminates
- Wax/ Hot Melt coated laminates
- In-register Cold Seal coated laminates
- In-register 4 panel pouches for beverage packaging

RMCL has a battery of Roto Gravure printing machine from Europe and Korea at both its Daman and Rudrapur locations. It also has two C I Flexo presses from Europe, Metalliser, Tandem Extrusion coating machine, series of Laminating machines and a fleet of high end pouching machines from Europe and Taiwan.





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Lamitubes

Collapsible tubes have evolved with changing packaging needs. RMCL today has an excellent portfolio catering to the tubes market. It manufactures wide specifications range depending on the end-use. It also manufactures white and silver colored laminate for the tubes. These are then UV printed with high quality graphics.

Manufacturing facility:

RMCL has installed a Tandem (Double) Extrusion coating machine from S M Corp of Korea to produce collapsible tubes in one pass. Both the T-Dies are automatically controlled using sophisticated electronics and monitoring devices. In conventional extrusion coating machine, the edges are thicker and have to be removed causing wastages. The RMCL machine is equipped with internal decking system on both dies resulting in lower material wastage.

Characteristics:

- Ideal barriers for products needing maximum protection & shelf life
- Tubes Retain their original shape for the life of the product
- Easy to use
- Photo quality graphics are possible

Applications:

- Pharmaceutical packaging
- Personal Care products
- Cosmetics
- Household products
- Industrial products
- Food products





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5 Layered Barrier & Non- Barrier Film

RMCL manufactures a high performance 5 layer barrier film using machinery from Dolci of Italy. This film finds extensive application in the food industry. The film is highly transparent, tough and offers features like printability, sealability and very high gloss. Films are produced through coextrusion, using raw materials such as PA, EVOH, LLDPE, LDPE, PP. It offers good hot tack, fast sealing speed and excellent thermoforming.

Characteristics:

- Longer shelf life
- Total insulation from external contaminants and pathogenic agents
- Excellent display on the retail counter
- Perfect mechanical properties
- Suitable for automatic packaging machines
- Peelable if required.
- Can be printed up to 10 colors

Applications:

Food packaging: Snacks foods, Confectionery, Cereals Tea & Coffee, Salami and sausages, Noodles, Baked products, Fish and meat, Edible oil
- Sterilisable packaging: Ready to eat food and Medical Devices

EVOH based Films

EVOH based 5 Layer films have excellent process ability and outstanding barrier properties. The key to this balance is the unique combination of the proper co-polymerisation ratio of ethylene to vinyl alcohol, the carefully selected degree of polymerisation and the unique proprietary manufacturing process used in the production of EVOH copolymers. These unique polymers are Blown in a 5 layer film process.

Applications:

Suited for food, medical, pharmaceutical, cosmetic, agricultural and industrial packaging and automotive applications.

Nylon based Films

Nylon based 5 layer films are used to deliver an enhanced barrier function. This film combines the properties of excellent mechanical strength, good abrasion and puncture resistance, transparency, oxygen, chemical and aroma barrier.

Applications:

Suited for spices, fruit juice, detergents, toothpaste packages, herbicides, pesticides and fungicides packaging.





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Preformed Pouches

RMCL manufactures a range of multi-layer pouches which are produced at a state-of-art pouch forming lines. These pouches are available in a range of range of closures and fitments like zipper, zip lock, grip and hole punch.



PET-PP Straps

High tensile strength for securing boxes and pallet loads

RMCL offers a wide range of PET straps which are light weight, easy to use and suitable for strapping packages. These straps have over twice the resistance to shock loads as compared to steel straps and also the ability to stretch just slightly to absorb shock and recover. Available in different length, width and thickness these PET straps are reliable, safe and economical. They can be used with manual strapping tools and semiautomatic strapping machines.



Air Bubble Sheets

Lightweight, water resistant, transparent sheet with excellent cushioning properties

RMCL offers Air Bubble wrap sheets, a flexible and transparent plastic sheeting containing numerous small air pockets. The sheets offer cushioning and scratch protection far superior to packing paper and are used to protect items during shipping and storage. Bubble wrap is lightweight, water resistant, reusable non-scratching and is used for packing fragile items. It can also be used to cushion medium to heavy weight products





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BOPP Films

RMCL offers all grades of Biaxially-Oriented Polypropylene (BOPP) films that are very popular because of the unique combination of properties they offer such as shrinkage, stiffness, transparency, sealability, twist retention and barrier. This film is stretched in both the machine direction (MD) and across machine direction (AMD) and has superior strength at low gauges, flatness, clarity and excellent printability.

RMCL offers grades like print lamination grade 8 micron to 20 micron films in glossy, matte, pearl finish also thermal lamination films along with adhesive tape & garment bag grades.

It also offers label and flexible packaging grades Heat Sealable Corona Treated 15 to 60 micron films. RMCL has installed 6400 mm Dornier machine from Germany.

Applications:

- Flexible packaging
- Pressure sensitive tape
- Printing and lamination
- Stationery
- Metallising
- Flower sleeves
- Cable wrap and insulation

RMCL can offer the following

- Thin films for adhesive lamination
- Printable grades
- Heat sealable grades
- White opaque/Pearliest Films
- Metallised Films





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Offset Printed Cartons & Liner Cartons

RMCL today offers a wide range of printed, plain and liner cartons. It also has the production facilities to create tailor made cartons for diverse industries as well.

It can create food or non- food packaging cartons and offers plain cartons in ready sizes or as a bespoke item. Range includes standard cartons, standard mailers, 2 piece lid and base, corrugated and fluted boxes, flat pack lid, reverse tuck in end style, straight tuck in cartons etc.

Technology

RMCL employs the most efficient carton making machines in the industry like Planeta 6 color super variant and a 4 color Man-Roland offset printing machine to print high quality paper boxes. These boxes are then further processed on equally efficient punching and gluing machines from Bobst and Vega respectively.

For liner pasting it has a liner pasting machine from Heiber + Schröder Maschinenbau GmbH

Characteristics:

- Made from material from board supplied by selected paper mills
- Extremely durable
- Highly functional
- Very convenient
- Various lid / closure options
- Multi use
- Cost effective
- Easy to assemble

Applications:

- Food Packaging
 - direct and indirect contact
- Pharmaceutical Packaging
 - industry standard sizes, tablet cartons and white standard
- Printed & Plain Cartons





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Soap Wrappers

Full spectrum of print and finish solutions

RMCL produces a variety of retail soap wrappers and cartons for many leading brands. It offers full print capabilities, UV or wax coating and high class technical assistance.. RMCL stocks a variety of soap packaging substrates, soap cartons and pressure sensitive material for labels. It also has a large inventory of inhibited soap liner board (stiffener). Soap wrappers can be delivered in sheet, roll form or as multi-pack banding.



BOPP Tapes

For high performance and superior adhesion

RMCL offers a wide range of self adhesive BOPP tapes manufactured from a thin flexible tape, coated with a superior acrylic base adhesive on one side. These tapes are UV and weather resistant, user friendly and come with scratch proof multicolour gravure printing. They are of assured and marked tape length and guarantee tamper proof packaging and quick product identification.





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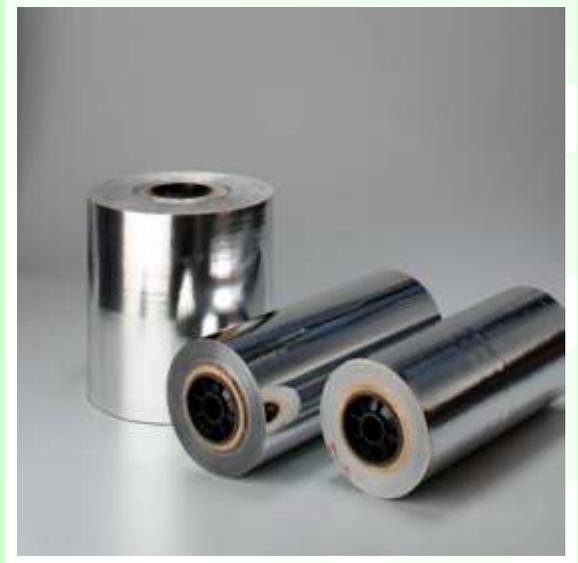
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Metallised Film

Attractive metal layer, highly ink receptive, excellent barrier properties

RMCL manufactures a range of metallised films which offer the advantages of both metal and plastic films. These films offer consumers much more versatility in application, increase the aesthetic appeal of products and also enhance barrier properties.



Metallised Shrink Films

RMCL manufactures a range of metallised films which offer the advantages of both metal and plastic films. These films offer consumers much more versatility in application, increase the aesthetic appeal of products and also enhance barrier properties. These films are highly ink receptive, have good ink retention and are adaptable to the requirements of modern high speed presses. Shrink film made from PVC or PET are metallised in our metalliser.

Characteristics:

- Excellent barrier properties
- Brilliant finish
- Resistant to oxygen and water vapour transmission
- Great aesthetic appeal

Applications:

Used in a wide variety of food packaging applications where either high barrier or striking appearance is required





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Lamination Films

Lamination film has today become a very convenient option to various convertors. It is in fact considered to be most suitable for flexible packaging of food materials. What is attractive about it is that, tailor made structures can be made available to suit every customers individual requirements.

RMCL lamination film range includes:

- 5 layered Films
- 4 Layered Films
- 3 Layered Films
- Cast Films
- Heat-Sealable OPP Films
- Easy-Peel Films

What is unique about RMCL's manufacturing technique is that it has capabilities to produce high barrier conventional 3 layered film made by a 5 layered process. It also has unique solutions to replace non-recyclable laminated structures with recyclable poly based structures for various applications. RMCL formulates and manufactures these films in house and they are then sold to various convertors for their respective applications.

Characteristics:

- Ultra thin layer distribution
- Precise gauge control with minimum variation of thickness
- Treated surface
- Structured as per customers requirements
- Gives excellent sealing and lamination properties

Available in thickness range 25 to 200 microns and width upto 1400 mm

Applications:

- Processed & Snack Foods
- Marine Products
- Dry Fruits & Spices
- Detergent Powder
- Flour •Paints
- Varnishes
- Shampoo
- Pesticides

-Or any other type of Film, tailor made to your needs





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PVC Twist Wrap Film

RMCL manufactures a range of high quality PVC twist wrap films. These films are completely non-toxic and find wide application in the confectionery industry where they are given preference over cellophane and other types of films. They are available in unprinted and printed both in Roll and Reel Form.

Available in Transparent PVC, Metallised PVC, Pigmented/Colored PVC, Gold Lacquered, Window and Strip Metallised PVC.

Characteristics:

- Static Free
- Twist Retention
- High tensile and tear strength
- Cold Twist film which saves cost of heating and cooling energy
- Inexpensive as compared to cellophane, Bopp, Polyester or other films
- Excellent aesthetic appeal
- Excellent printability on Gravure and Flexo Machines

Applications:

Wide application in gift articles, cosmetics, confectionery wrappings, ready made garments etc



Paper Tubes

Versatile and durable packaging solution

RMCL manufactures a wide range of high quality paper tubes. Sturdy and convenient, these tubes are manufactured to customer specifications and are available in a wide range of diameters, lengths and thicknesses. The ends can be sealed with attractive closures of metal, plastic, paper or wood. Various colored paper or labels can be applied on these tubes for advertisement or identification. These paper tubes are ideal for mailing, storage, shipping and display purposes.





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PVC Calendar Sheets

RMCL manufactures PVC Sheets for various applications. It has two distinct Calendar plants to manufacture Rigid and Soft sheets.

Rigid PVC Sheets

RMCL has installed European 5 Roll Calendar to produce high quality Rigid PVC Sheet

Soft PVC Sheets

RMCL has installed Reifenhauer 4 Roll soft Calendar to produce a wide variety of Soft PVC Sheets.

Application:

Lining for chemical tanks and various other rigorous solvents.

Die-Guarantee coated PET film and Sheets

RMCL manufactures DG coated PET films on its sophisticated Polytype machine. It has installed Reifenhauer machine to manufacture thick PET Sheets which are also DG Coated to make sequins used in the garment industry.

