



## Radha Madhav Corporation Limited

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

Tel. +91- 260 -6619000 Fax. +91-260 -6619010

Email :rmcl@rmclindia.co.in url: www.rmclindia.co.in

### • Food and Beverages

#### 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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### PVC Thermoformed Sheets

RMCL offers a wide range of PVC Thermoformed Sheets for food and other packaging. These sheets are fully compliant with the requirements of the packaging market. The quality of these sheets is ensured by using high grade raw materials, modern production process & computer controlled calendar lines. The PVC sheets have good mechanical properties, high clarity, good hot-melt fluidity and are non toxic. They can be used for high quality, thin gauge thermoformed plastic packaging containers and trays.



### Poly Poly Laminates





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### Hot Foil Stamping

RMCL manufactures hot stamping foil that delivers an excellent match of chemical and physical properties. This foil is suitable for fine to medium coverage area and is able to perform at high operating speeds. It is available in an extensive range of shades.

#### Characteristics:

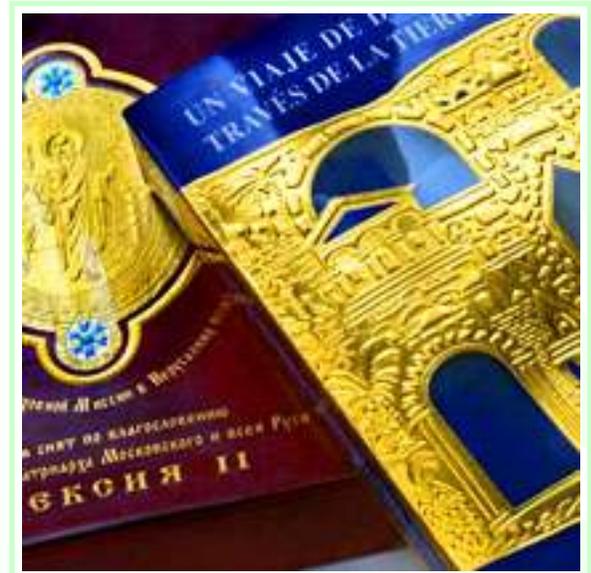
- Can be used on a variety of substrates
- Available in a variety of finishes o Strong visual appeal
- Highly chemical resistant Available in numerous colors
- Superior security device

#### Applications:

- Liquor labels
- Boxes for cosmetics
- Toiletries
- Stationery items
- Textiles
- Greeting Cards

RMCL offers two types of Hot Foil Stampings:

- Colour: Various colours like white, green, red etc. Customised colors are also possible on orders
- Metallized: After lacquering, films are metallised in order to getvarious shades like gold, purple etc.





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### Coated Films

RMCL offers a range of coated film products that provide excellent surface properties for a variety of applications. The excellent surface treatments along with the superior polyester film base result in coated film products that are high in quality and deliver enhanced performance. Customized product solutions are also available.

#### PET/BOPP Film -

Coated with PVDC on single/double side

RMCL offers excellent PVDC coated films which provide superior barrier properties. Taking PET / BOPP film as the base it coats these with a high quality PVDC. Production is undertaken in a highly controlled environment to ensure that the products meet international standards. This product offers barrier properties that are 5 times higher than common PVC.

#### Characteristics

- Excellent aroma protection
- Excellent gas (oxygen, nitrogen, carbon dioxide) barrier
- Superior mechanical strength
- Superior printability. Excellent transparency

#### Application

- Suitable for base film of soft packing
- Perfume packaging with aroma protection
- Food (e.g. cake, coffee and chocolate) packaging
- Cosmetics packaging

#### Release Film -

PET or BOPP one side coated with silicone

RMCL offers an excellent range of silicone coated substrates with outstanding release properties. During manufacturing it ensures extremely good curing of the silicone layer on the PET / BOPP film which minimizes the issue of back side transfer. The silicone system is extremely well anchored to the film surface.





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The release force of the film fits most standard adhesives but customised production from easy to tight release can be done.

### Characteristics

- Ultra thin and highly clear coating
- High transparency
- High gloss
- Minimum silicone rub-off
- Good flexibility
- Even coating layer without air bubble or pin holes
- Low warp in thickness
- Low heat shrinkable rate
- No static induced defects

### Application

- Release liner for pressure sensitive labels
- Release liner for shingle release
- Release liner for cast polymer materials
- Process liner for adhesive tape manufacturing
- Release film in electronic applications
- Process liner where a separation is needed during processing or storage
- Release liner in the production of ceramic capacitors





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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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### 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.



### 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.

