



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

• Chemical

PVdc Coated Blister

RMCL manufactures a range of multilayered, high quality and high performance structures for a variety of applications. These structures are created from an optimized combination of polymeric films and aluminium foil to offer the best barrier properties.

Duplex Structures

RMCL utilises an advanced coating technology to produce a two-layer PVDC coated PVC structure which offer medium barrier protection against moisture and gas.

Characteristics

- Good water vapour and oxygen barrier
- Cost-effective high barrier blister film
- Excellent processability
- Excellent lay-flat properties
- Enhanced machine performance
- Runs on all standard PVC-tooling
- Higher Yield
- Higher bond strength between the layers

Application

This structure is ideal for thermoformed blister packaging of pharmaceutical tablets & capsules.

Triplex Structures

RMCL has an advanced coating technology to produce a Triplex PVC/PVdC/PVC symmetrical structure offering an ultra high degree of barrier to moisture, gas and aroma.

Characteristics

- High barrier properties
- Improved lay flatness
- Brilliant clarity for transparent blisters
- Designed for higher performance on packaging lines
- Excellent thermoforming properties and mechanical stability
- Thermoforms in the same temperature range as PVC mono film





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Application

This structure is the internationally accepted PVC/PE/PVdC film suitable for sensitive medicines. WHO recommends these blister films for packaging of medicines meant for global distribution, particularly in tropical zones. Ideal for use in packing of Anti-tubercular drugs, Anti-diabetics, Lozenge formulations, enzyme preparations and more.

ALU-ALU

RMCL manufactures a multilayered cold-formable aluminium based blister structure (ALU ALU) using the latest state of the art machinery imported from Italy. This structure is an optimized combination of aluminium foil and polymeric films, with the aluminium layer sandwiched between an inner heat sealable polymeric film and outer supportive malleable film. Available in both unprinted and printed strip foil as per customers requirements with different foil thickness and heat seal lacquer grammage.

Characteristics

- Provides a 100 % barrier against water vapor, gases, light etc
- Has excellent formability
- Provides a high degree of thermal stability
- Highly malleable facilitates deep draw blister cavities
- Excellent aesthetic appeal
- Sealable with normal VMCH based Aluminium foil
- Provides effective anti counterfeit packaging
- Standard product range for sensitive drugs
- Standard colour options are gold and silver

Application

RMCL ALU-ALU caters to the packaging of a range of very sensitive, highly hygroscopic or light sensitive pharmaceutical and generic medicines which cannot be suitably packed with other barrier plastic films.

Manufacturing Facility

RMCL has the sixth largest manufacturing facility in the world and the largest on the sub-continent, focused exclusively on the production of PVdC coated blister film. It uses technology imported from Pagendam of Germany and has invested in setting up a 4 station coating machinery. The advantage of this technology is that it uses a single operation to manufacture the product. This ensures that the finished product is virtually untouched and uninterrupted in the manufacturing process, leading to the elimination of virtually any chances of contamination.

Facilities are USFDA, HACCP, BRC approved and ISO 22000 certified.





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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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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.



Vacuum bags

RMCL manufactures a range of different sizes of vacuum bags made from PE and nylon which gives an excellent barrier property. These bags are mildew proof, insect and moisture proof. When sealed, the bags can decrease in size by up to 10 times and are suitable for packing fibre, medicine, bulk packing as well as domestic items.

Jumbo Bags

To cater to the bulk packaging industry RMCL offers Jumbo bags. These bags are made of high tenacity Polypropylene (PP), HDPE or Polyamide material and is UV stabilized. The capacities of these bags range from 25 Kgs. to 200 Kgs. depending on the bulk density of the material. These bags can be custom built to meet customers requirement. The bags help in reducing the cost of packaging, minimizes the losses in pilferage & spillage and ensures faster handling of the packaging material.



Liner bags

RMCL offers liner bags manufactured from high grade granules to ensure durability and reliability. These bags are high density and low density polyethylene bags and are available in various sizes and microns. They offer a practical and inexpensive way to protect products from the environment.



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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.

