



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

● Pharmaceuticals

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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Cold Formed Blisters (ALU-ALU)

Excellent aluminum based blister for packing sensitive pharmaceutical and generic medicines

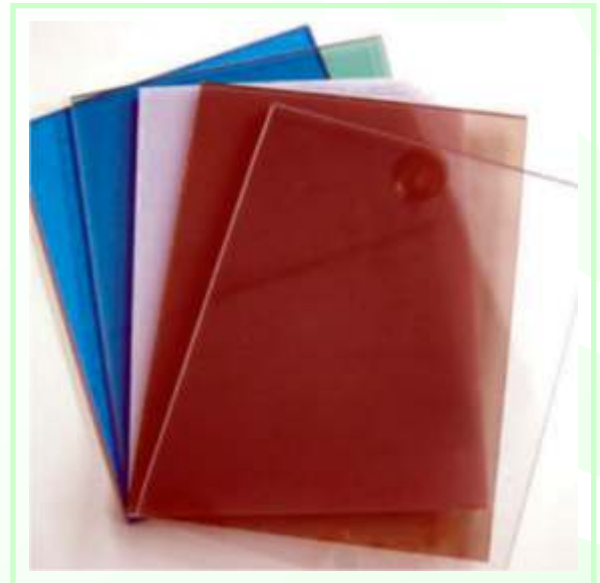
To deliver more advanced pharma product packaging solutions, RMCL manufactures multilayered cold-formable aluminium based blister structure (ALU ALU). Aluminum-Aluminum blister packages are used for pharmaceutical products, which are easily decomposable, or highly sensitive to light, moisture or oxygen.



PVC Rigid Sheets

Sturdy, durable and colourful

RMCL offers a wide range of high quality calendared PVC rigid sheet films. Manufactured using a high tech process, these sheets conform to international standards and are available in a variety of colours. Its excellent printability, resistance to water, chemicals, and tearing makes it very popular for use specifically in the packaging, printing and graphic arts industries.





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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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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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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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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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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.



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.



Surface Protection Film

Total protection from unnecessary stains, abrasions, or scratches

RMCL has created a protection film made from LDPE film with an ultra-low tack adhesion for removable ease. The film has good rub resistance, no adhesive residual, light tensile strength and excellent bonding effect. Most of the uses of this material are for smooth and glossy surfaces. It offers good surface protection during fabrication, transportation, and installation process.

