
MIREK
WHEREVER PACKAGING MATTERS

About Us

Mirek Thermoformers is a BRC certified company, with its operations spread over 25,0000 sq.ft at Bhiwandi, Maharashtra. Through continuous investments in newer technology, we are one of India's leading thermoformers, having a production capacity of over 5,000 metric tonnes per annum.

At Mirek, we're experienced thinkers and solution providers who are dedicated to giving you the best packaging for your product. We are passionate about continual improvement in Product Design as well as quality parameters critical to packaging success.

The core principles on which the company is built are Quality, Service & Cost.

The company believes in customization hence all the products in its repertoire are customised to suit the client's packaging needs.

We provide complete packaging solutions starting from the design board to the final manufactured product. Whatever the packaging challenge, brand owners, retailers and OEMs turn to Mirek for our materials knowledge, design innovation, precision manufacturing and exceptional customer service.

Vision

To be India's top thermoformer, providing customised packaging with superior quality, adding value to the product and ensuring maximum customer satisfaction.

Mission

To offer a wide variety of products to our customers in the barrier and non-barrier packaging segment.

To provide a platform for growth, progress, and development to all our employees.

To develop packaging that is not only innovative but also leaves a lower impact on the environment.

Company History

- **1995** Mirek was established in a shed of 400 sq.ft area, with single manual vacuum forming machine.
- **1998** Our association with HUL
- **2001** Shifted to a new plant in Vashi with automatic vacuum forming machines.
- **2007** A conscious decision to shift from PVC to an environmentally safe material PP.
- **2009** Shifted to a bigger facility in Bhiwandi, with continuous expansion and technological upgradation.
- **2014** Increased our production capacity to 10 tonnes of polymer per day.
- **2015** Established our second manufacturing facility in Haridwar to cater to the markets in the Northern part of India.
- **2018** Upgraded our bhiwandi facility to a state of the art BRC Certified Unit
- **2019** Induction of a fully automatic thermoforming European machine into our manufacturing line up and our entry into the high barrier packaging trays.

Food Packaging

We at Mirek are recognised as one of the leading manufacturer and supplier of superior quality trays for the food industry. Having a BRC Certification, all our trays are manufactured in a clean and hygienic environment.

These trays are customised and designed to suit the client's requirement. Our trays are available in various sizes and material. Our food packaging ensures high quality, good colour retention and longer shelf life due to excellent moisture and gas barrier properties, which result in minimal food spoilage. All our packaging is made as per the required food standard and is 100% food grade. Our range of trays for Indian mithai and dry fruits are designed to provide safety and enhance shelf life.

Our high barrier packaging trays have the features of low oxygen transfer rates (OTR) and low water vapour transmission rates (WVTR). Our food packaging is characterised by the following properties:-

- Excellent clarity and seal-ability
- Excellent oxygen, moisture, and gas barrier
- Provides protection against bruising and damage of food
- Microwave compatible
- Freezer grade/Cold storage compatible
- Modified atmospheric packaging (MAP)
- Available in clear and opaque colours
- Stackable and nestable
- Multi-compartment
- Reusable and recyclable
- Convenient to use
- Aesthetic and provides possibility for branding through embossing and custom inserts

MAP Technology

What is MAP?

MAP or
Modified Atmospheric Packaging
is a technology to extend the shelf life
of a food product, as well as to
maintain its quality.

How does MAP work?

Food decays (spoils) because of microbial as well as bio-chemical activities.

Microbial activity is enhanced by the presence of oxygen and water in the atmospheric air.

In the MAP process the air inside the package is replaced with a carefully controlled mixture of gases.

The most commonly used gases are NITROGEN (N2) and CARBON DIOXIDE (CO2).

Carbon dioxide is the most important gas in MAP. Carbon dioxide inhibits microbial activities, which is primarily responsible for food deterioration.

Nitrogen is an inert gas. It is used primarily to replace oxygen in the package and to prevent package collapse.

Barrier Technology

is a use of barrier film in a food package to protect the contents inside from the effects of gas, moisture, and oxygen.

Barrier Technology used in conjunction with MAP technology is ideal for extending the shelf life of a product.

The main component of Barrier Film is EVOH – A polymer that acts as a gas barrier.

A typical barrier film is multi-layered – 5 to 11 layers.

A typical MAP process chart would be as follows:

Barrier tray → Fill with Product → MAP Machine (to remove air and flush with CO_2 and N_2 and seal) → Packing

Advantages of MAP

Every food product begins to decay from the moment it is produced. For the food producer it is important to ensure that his product reaches the end consumer in the freshest possible condition –
THIS IS A RACE AGAINST TIME.

MAP technology ensures that the food producer wins this race.

MAP helps to maintain food quality and extend shelf life.

Extended Reach – Increased shelf life leads to extended reach, products can now be offered to far away locations without sacrificing the quality.

Extending the Product Range – MAP with protective gases and subsequent shelf life increase, offers an opportunity to introduce new products which could not otherwise be offered. Thus, opening up new avenues of business growth and profits.

Production Planning and Logistics – MAP facilitates advanced bulk production as well as bulk transportation over larger distances.

Higher market share in non-local markets

MAP reduces spoilage and product returns.

PRODUCT SHELF LIFE BY MAP TECHNOLOGY

Segment	Sr	Products	Concept	Storage	Estimated Shelf Life
Dairy and Sweets	01	Fresh Paneer	High Barrier Tray	Below 4° C	45 Days
	02	Milk Khoya	High Barrier Tray	Ambient	7 Days
	03	Milk/ Kesar Peda	High Barrier Tray	Ambient	25 to 30 Days
	04	Thabdi Peda	High Barrier Tray	Ambient	30 to 45 Days
	05	Aflatoon	High Barrier Tray	Ambient	30 to 45 Days
	06	Milk Cake/ Kalakand/ Burfi	High Barrier Tray	Ambient	15 to 20 Days
	07	Kaju Katli	High Barrier Tray	Ambient	30 to 45 Days
	08	Mix Mawa Sweets	High Barrier Tray	Ambient	25 to 30 Days
	09	Mix Dry Fruit Sweets	High Barrier Tray	Ambient	30 to 45 Days
	10	Boondi/ Motichur Ladoo	High Barrier Tray	Ambient	25 to 30 Days
	11	Besan Ladoo/ Atta Ladoo	High Barrier Tray	Ambient	60 to 120 Days
	12	Rasgolla/ Khirmohan	High Barrier Tray	Ambient	60 to 120 Days
	13	Gulab Jamun/ Kala Jamun	High Barrier Tray	Ambient	60 to 120 Days
	14	Mysore Pak	High Barrier Tray	Ambient	45 to 60 Days
	15	Halwasan/ Doda Burfi	High Barrier Tray	Ambient	30 to 45 Days
	16	Mewa Bites	High Barrier Tray	Ambient	60 to 75 Days
	17	Bombay Halwa	High Barrier Tray	Ambient	60 to 75 Days
	18	Various Chikki	High Barrier Tray	Ambient	90 Days
	19	Soan Papdi	High Barrier Tray	Ambient	180 Days
	20	Health Bar	High Barrier Tray	Ambient	180 Days
	21	Ghari	High Barrier Tray	Ambient	45 to 60 Days
	22	Khopra Pak	High Barrier Tray	Ambient	30 to 45 Days
	23	Sandesh	High Barrier Tray	Ambient	20 to 25 Days
Snacks and Savories	01	Namkeen	High Barrier Tray	Ambient	180 Days
	02	Dry Dosa	High Barrier Tray	Ambient	180 Days
	03	Khakhara	High Barrier Tray	Ambient	180 Days
	04	Roasted Peanuts	High Barrier Tray	Ambient	180 Days
	05	Mawa/ Pyaz Kachori/ Samosa	High Barrier Tray	Ambient	7 Days
Bakery and Others	01	Dry Cake (Without Preservatives)	High Barrier Tray	Ambient	180 Days
	02	Puff	High Barrier Tray	Ambient	180 Days
	03	Cookies	High Barrier Tray	Ambient	180 Days
	04	Vegetable Sandwich	High Barrier Tray	Below 4° C	180 Days
	05	Garlic Bread/ Pizza	High Barrier Tray	Below 4° C	7 Days
	06	Pasta/ Noodles	High Barrier Tray	Below 4° C	180 Days
	07	Cake/ Pastry	High Barrier Tray	Below 4° C	7 Days

Barrier White Tray (MAP Tray)

Image	SKU	Product Code	Material	Box Size	Packing
	190x140x30	MTBT190140/30	PPEVOH	23.5 x 17 x 23	600
	190x140x40	MTBT190140/40-1	PPEVOH		600
	190x140x52	MTBT190140/52	PPEVOH		600
	190x140x61	MTBT190140/61	PPEVOH		540
	137x102x20	MTBT137102/20	PPEVOH	23.5 x 17 x 23	1760
	137x102x30	MTBT137102/30	PPEVOH		1600
	137x102x40	MTBT137102/40	PPEVOH		1600
	137x102x55	MTBT137102/55	PPEVOH		1600
	137x102x40 Ladoo 6 pcs	MTBT137102/40 Ladoo	PPEVOH	23.5 x 17 x 23	1600
	175x125x29	MTBT175125/29	PPEVOH	23.5 x 17 x 23	750
	190x140x40	MTBT190140/40-2	PPEVOH	28 x 18 x 23	750
	190x140x53	MTBT190140/53	PPEVOH		750
	190x140x63	MTBT190140/63	PPEVOH		675
	190x140x72	MTBT190140/72	PPEVOH		675
	190x140x90	MTBT190140/90	PPEVOH		600
	190x140x40 Ladoo 12 Pcs	MTBT190140/40 Ladoo	PPEVOH	28 x 18 x 23	1050
	190x140x40/ 3 Partition	MTBT190140/40-3CP	PPEVOH	28 x 18 x 23	750
	225x175x45	MTBT225175/45	PPEVOH	28 x 18 x 23	700
	225x175x75	MTBT225175/75	PPEVOH		700

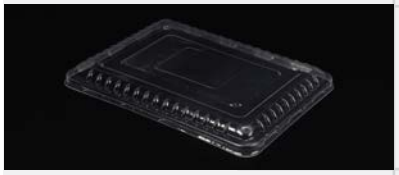
Barrier White Tray (MAP Tray)

Image	SKU	Product Code	Material	Box Size	Packing
	174x174x20	MTBT174174/20	PPEVOH	28 x 18 x 23	840
	174x174x30	MTBT174174/30	PPEVOH		780
	174x174x40	MTBT174174/40	PPEVOH		720
	310x200x34	MTBT310200/34	PPEVOH	25 x15 x16.25	200
	310x200x45	MTBT310200/45	PPEVOH		200
	310x200x55	MTBT310200/55	PPEVOH		200
	310x200x75	MTBT310200/75	PPEVOH		180
	310x200x110	MTBT310200/110	PPEVOH		160
	310x200x20 15 Portion Pack	MTBT310200/20	PPEVOH	19 x14 x16	1000
	310x200x40 15 Portion Pack	MTBT310200/40	PPEVOH		1000

Transparent | White Tray

Image	SKU	Product Code	Material	Box Size	Packing
	137x102x30	MTT137102/30	PP/PET	23.5 x 17 x 23	1600
	137x102x40	MTT137102/40	PP/PET		1600
	137x102x55	MTT137102/55	PP/PET		1600
	137x102x40 Ladoo 6 Pcs	MTT137102/40 LADOO	PP/PET	23.5 x 17 x 23	1600
	190x140x30	MTT190140/30	PP/PET	28 x 18 x 23	750
	190x140x34	MTT190140/34	PP/PET		750
	190x140x40	MTT190140/40	PP/PET		750
	190x140x52	MTT190140/52	PP/PET		750
	190x140x63	MTT190140/63	PP/PET		675
	190x140x72	MTT190140/72	PP/PET		675
	190x140x90	MTT190140/90	PP/PET		600

Transparent | White Tray

Image	SKU	Product Code	Material	Box Size	Packing
	190x140x40 Ladoo 12 Pcs	MTT190140/40 Ladoo	PP/PET	28 x 18 x 23	1050
	225x175x45	MTT225175/45	PP/PET	28 x 18 x 23	700
	225x175x75	MTT225175/75	PP/PET		700
	174x174x20	MTT174174/20	PP/PET	28 x 18 x 23	840
	174x174x30	MTT174174/30	PP/PET		780
	174x174x40	MTT174174/40	PP/PET		720
	310x200x34	MTT310200/34	PP/PET	25 x15 x16.25	200
	310x200x45	MTT310200/45	PP/PET		200
	310x200x55	MTT310200/55	PP/PET		200
	310x200x75	MTT310200/75	PP/PET		180
	310x200x110	MTT310200/110	PP/PET		160
	115x80x30 Rasgulla Tray	MTBT190140/63	PP	14.25x14x13	600
	115 x080 Tray LID	MTT120085/20	PP	18x16x11.5	600
	190x140 Tray LID	MTT194144/16	PP/PET	16x14.75x18.5	360
	175x125x29	MTT175125/29	PP/PET	19.25x14.25 x15.5	1200

Mirek Thermoformers Pvt. Ltd.

Building No. L-3, Shri Raj Laxmi Hi Tech Textile Park,
Village Sonale, Mumbai-Nasik Highway, Bhiwandi, Thane - 421302

info@mirek.in | www.mirek.in