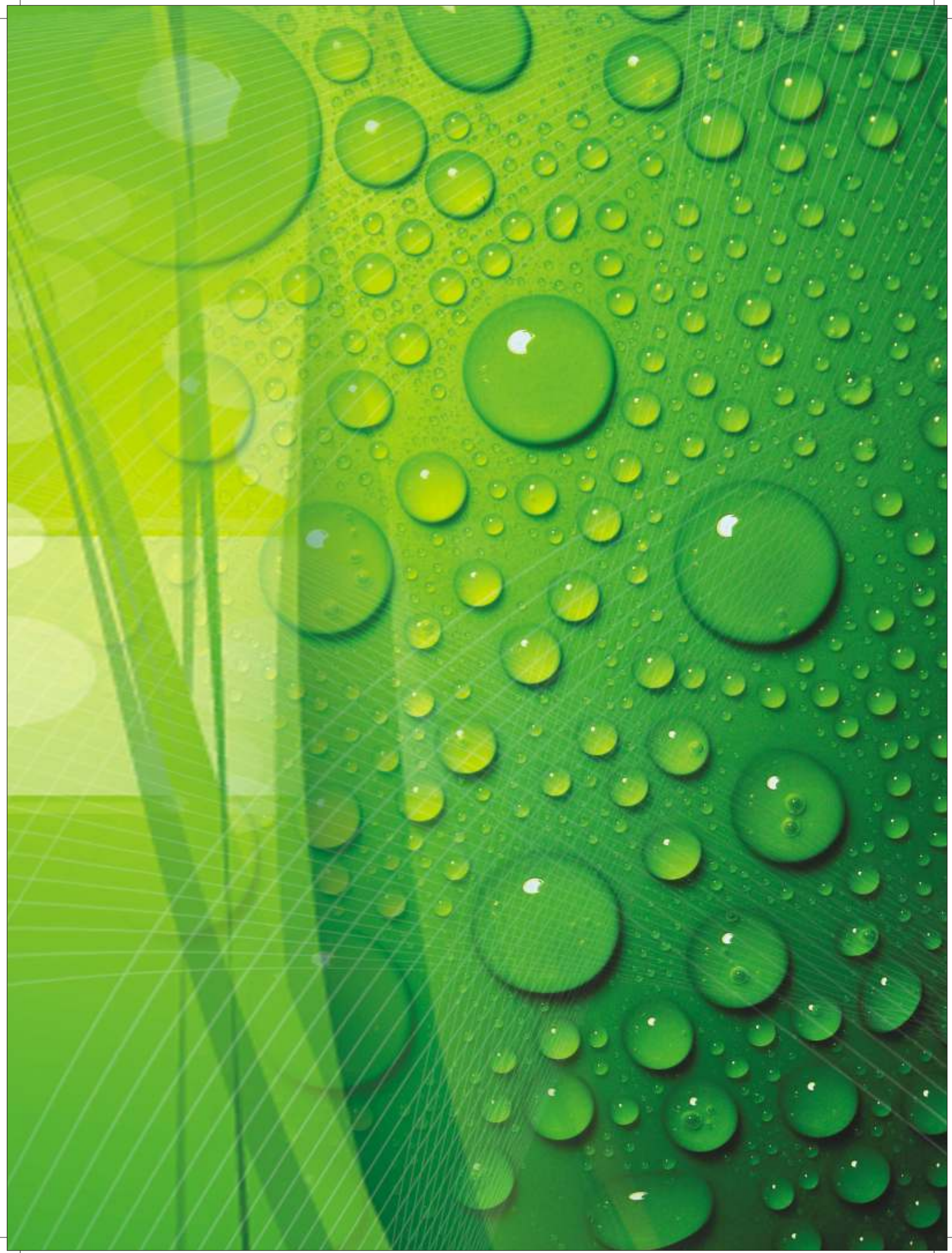


fresher  
for longer





Aluminium foil is aluminium prepared using thin metal leaves. Aluminium foil is produced by rolling sheet ingots cast from molten aluminium, then re-rolling on sheet and foil rolling mills to the desired thickness, or by continuously casting and cold rolling. Processes evolved over time to include the use of print, colour, lacquer, laminate and the embossing of the aluminium.

The foil is extremely pliable, and can be bent or wrapped around objects with ease.

As aluminium foil acts as a complete barrier to light and oxygen (which cause fats to oxidise or become rancid), odours and flavours, moisture, and bacteria, it is used extensively in food packaging.

Aluminium foils are widely used for wrapping food in order to preserve it, for example when storing left over food in a refrigerator (where it also serves the additional purpose of preventing odour exchange), when taking sandwiches on a journey, or when selling some kinds of take-away or fast food.

Aluminium foil is also used for barbecuing more delicate foods such as mushrooms and vegetables; food is wrapped in foil then placed on the grill, preventing loss of moisture that may result in a less appealing texture.

Manaksia Aluminium foil containers and trays can be used to bake pies and to pack takeaway meals, ready snacks and long life pet foods.

Manaksia foil products seal the goodness of what is inside so that every time you open it a rich warm fragrance welcomes you. The products are made with food grade material, which means that the material does not react with the food which otherwise can create toxic acids. Once sealed the containers don't spill and create infinite convenience.

**Maintaining the goodness of any edible food product is a vital function of any packaging material. Manaksia with its range of aluminium foils, foil products and catering trays makes sure that your food stays fresher for longer.**



## The Company

Manaksia Limited (formerly Hindusthan Seals Ltd., incorporated in 1984) is a multi-division and multi-location business conglomerate. The company possesses 15 manufacturing plants in India and 3 in off shore locations; two in Nigeria and one in Ghana. Headquartered in Kolkata, India, its shares are listed on the Bombay Stock Exchange, the National Stock Exchange and the Calcutta Stock Exchange.

Manaksia specialises in the manufacture of packaging products (crowns, closures and metal containers), metal products and fast moving consumer goods, among others.

The company's metal packaging products include Crowns, Roll-on pilfer-proof closures, Expanded polyethylene liners as well as Push-open and other Metal containers. The company has now diversified into the production of Aluminium rolled products, Secondary specification aluminium alloys and Galvanised steel.

The company's wholly owned subsidiary in Nigeria, MINL Limited, was set up in 1996 and is the market leader in ROPP caps and crown corks in Nigeria. It has also set up facilities for the manufacture of Galvanised steel, Metal colour coated sheets and coils and Secondary specification aluminium alloys.

The company also has subsidiary companies in Ghana (Dynatech Industries Ghana Limited) and Dubai (Euroasian Ventures FZE)

A corporate policy to strictly adhere to the best manufacturing processes using the latest equipment ensures super quality products. Manaksia products guarantee the start of good times.

## Quality

Manaksia Ltd. has always followed the strictest tenets of manufacturing process to ensure only the best and the finest products are released for use. The need to constantly innovate and create something newer and better is a part of the daily process. Top of the line machinery of Italian make ensures superior products are the norm at the Manaksia facilities. Deep insight of products which has resulted from years of hands on experience in the industry has made Manaksia Ltd. a leading business house in its segment.

Product knowledge, R&D and technological prowess form the backbone of the Manaksia manufacturing philosophy.

As a reinforcement of its strict quality control measures, the Manaksia products have received a series of Certificates for their manufacturing prowess. Manaksia Ltd has received the Kosher Certificate for their Semi Rigid Food Grade Aluminium Foil Containers. Manaksia Ltd has also received the ISO 9001:2000 Certificate and the ISO 9001:2008 for Aluminium Foil containers.





Over a 100 year history, converters, brand owners, retailers and ultimate consumers have all benefited from aluminium foil's unique barrier properties which provide a total block to light, moisture and aroma.

Today it is used in every conceivable market from food and drink to pharmaceuticals. Its chemical properties ensures that it does not turn black when coming into contact with cheese and is some 20 % more economical than using tin. Other uses includes baking products where its non-stick properties came into their own.

A spectacular period of growth in the 1950s and 1960s saw aluminium foil production quadruple, and both rolling speeds and rolling widths increasing dramatically, helping to feed demand. In the early 1950s as freezers became more affordable and began to appear in consumers' homes, TV Dinners, the forerunner of today's ready meals, packed in compartment aluminium foil trays began to impress the food market. Developments such as these signposted the beginnings of a revolution in consumer convenience with aluminium foil.



### House foil

Length: 6 to 72 meters

Width: 300 mm

Thickness: 11 microns



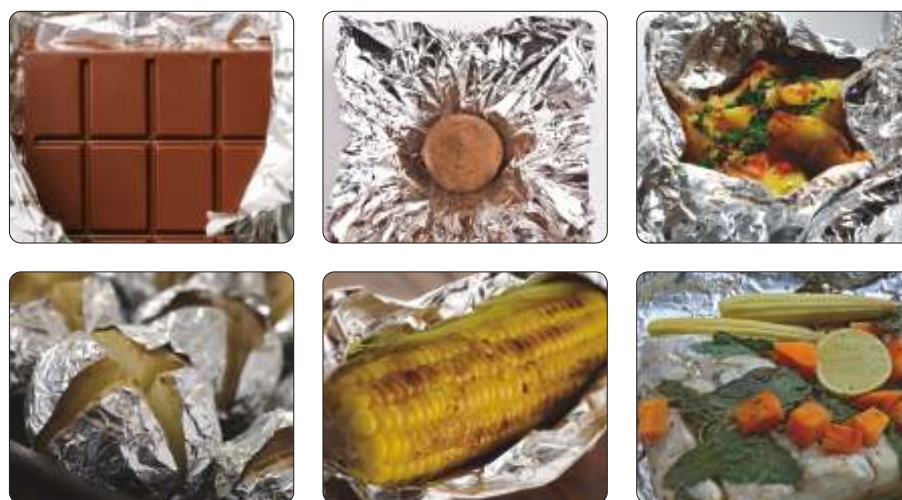
Come the new millennium resource efficiency and even better consumer convenient options were the major goals for aluminium foil.

Today aluminium foil's unique barrier properties are being merged increasingly with flexible films to create lightweight packs with excellent preservation properties and this has been instrumental in their use for a number of exciting new and expanding markets . Technically innovative solutions has increased acceptance of aluminium foil as a microwave safe material.



### Industrial Foil

Length: 153 to 305 meters  
 Width: 12 to 18 inches  
 Thickness: 12-18 microns





## Oblongs

Type : Oblongs  
 Code : 811-2000  
 Mould Name : 150 ml  
 Top out in (mm) : 83 x 83  
 Top in (mm) : 70.3 x 70.3  
 Base (mm) : 53.5 x 53.5  
 Depth (mm) : 29  
 Total Height (mm) : 37  
 Rim type : IVC



Type : Oblongs  
 Code : 808-1000  
 Mould Name : 250 ml  
 Top out in (mm) : 124 x 100  
 Top in (mm) : 109.3 x 85.2  
 Base (mm) : 88.5 x 63.5  
 Depth (mm) : 28  
 Total Height (mm) : 37  
 Rim type : IVC



Type : Oblongs  
 Code : 809-1000  
 Mould Name : 200 ml  
 Top out in (mm) : 125 x 100  
 Top in (mm) : 115 x 90  
 Base (mm) : 87.7 x 75  
 Depth (mm) : 24.5  
 Total Height (mm) : 26.5  
 Rim type : Full Raised Curl



Oblongs

Type : Oblongs  
 Code : 801-1000  
 Mould Name : 2A - 450 / 1 lb  
 Top out in (mm) : 145.5 x 120.5  
 Top in (mm) : 141.5 x 116.5  
 Base (mm) : 108.5 x 83.5  
 Depth (mm) : 41  
 Total Height (mm) : 50  
 Rim type : IVC



Type : Oblongs  
 Code : 801-1000  
 Mould Name : 2A - 450 ml / 1 lb  
 Top out in (mm) : 147 x 120  
 Top in (mm) : 130.3 x 103.3  
 Base (mm) : 105.4 x 81.4  
 Depth (mm) : 40  
 Total Height (mm) : 47.5  
 Rim type : IVC



Type : Oblongs  
 Code : 802-500  
 Mould Name : 1 1/2 lb  
 Top out in (mm) : 130.2 x 179.4  
 Top in (mm) : 117.5 x 166.7  
 Base (mm) : 100 x 149.2  
 Depth (mm) : 42.9  
 Total Height (mm) : 50.9  
 Rim type : IVC





## Oblongs

Type	: Oblongs
Code	: B03-500
Mould Name	: 1 1/2 lb shallow
Top out in (mm)	: 152.4 x 218.3
Top in (mm)	: 139.7 x 205.6
Base (mm)	: 188.1 x 126.2
Depth (mm)	: 31.8
Total Height (mm)	: 39.8
Rim type	: IVC



Type	: Oblongs
Code	: B04-500
Mould Name	: 2 1/4 lb
Top out in (mm)	: 214.3 x 150.8
Top in (mm)	: 201.6 x 138.1
Base (mm)	: 177.8 x 114.3
Depth (mm)	: 46
Total Height (mm)	: 54
Rim type	: IVC



Type	: Oblongs
Code	: B04-L250
Mould Name	: 2 1/4 lb with 15 pt
Top out in (mm)	: 214.3 x 150.8
Top in (mm)	: 201.6 x 138.1
Base (mm)	: 177.8 x 114.3
Depth (mm)	: 46
Total Height (mm)	: 54
Rim type	: IVC



## Oblongs

Type : Oblongs  
 Code : B04-D250  
 Mould Name : 2 1/4 lb with dome  
 Top out in (mm) : 214.3 x 150.8  
 Top in (mm) : 201.6 x 138.1  
 Base (mm) : 177.8 x 114.3  
 Depth (mm) : 46  
 Total Height (mm) : 54  
 Rim type : IVC



Type : Oblongs  
 Code : B05-500  
 Mould Name : 3 compartment  
 Top out in (mm) : 215 x 161  
 Top in (mm) : 203 x 149  
 Base (mm) : 184 x 130  
 Depth (mm) : 36.5  
 Total Height (mm) : 44.5  
 Rim type : Full hemmed



Type : Oblongs  
 Code : B05-L250  
 Mould Name : 3 comp with 24 pt  
 Top out in (mm) : 215 x 161  
 Top in (mm) : 203 x 149  
 Base (mm) : 184 x 130  
 Depth (mm) : 36.5  
 Total Height (mm) : 44.5  
 Rim type : Full hemmed





## Oblongs

Type	: Oblongs
Code	: B10-1000
Mould Name	: 300 ml
Top out in (mm)	: 160 x 100
Top in (mm)	: 150 x 90
Base (mm)	: 140 x 75
Depth (mm)	: 24.5
Total Height (mm)	: 26.5
Rim type	: Full Raised Curl



Type	: Oblongs
Code	: B07-1000
Mould Name	: 750 ml
Top out in (mm)	: 209 x 137
Top in (mm)	: 196.2 x 124.2
Base (mm)	: 159.6 x 90.3
Depth (mm)	: 36
Total Height (mm)	: 44
Rim type	: IVC



Type	: Oblongs
Code	: B06-1000
Mould Name	: 6A-660 ml
Top out in (mm)	: 200 x 110
Top in (mm)	: 183 x 93
Base (mm)	: 160 x 68
Depth (mm)	: 49
Total Height (mm)	: 58
Rim type	: IVC



## Oblongs

Type : Oblongs  
 Code : B12-1000  
 Mould Name : Air line Cont  
 Top out in (mm) : 159 x 103  
 Top in (mm) : 148.4 x 92.4  
 Base (mm) : 139.2 x 83.2  
 Depth (mm) : 28  
 Total Height (mm) : 30  
 Rim type : Full Raised Curl



Type : Oblongs  
 Code : B12L-1000  
 Mould Name : Air line Lid  
 Top out in (mm) : 174 x 110  
 Top in (mm) : 147.7 x 91.7  
 Base (mm) : 131.5 x 75.5  
 Depth (mm) : 9  
 Total Height (mm) : 14  
 Rim type : Full Raised Curl





## Round

Type : Round  
 Code : R01-500  
 Mould Name : USA-7<sup>®</sup>  
 Top out in (mm) : Ø 180  
 Top in (mm) : Ø 167  
 Base (mm) : Ø 142  
 Depth (mm) : 39  
 Total Height (mm) : 47  
 Rim type : Vertical Hemmed Edge



Type : Round  
 Code : R01-L200  
 Mould Name : USA-7<sup>®</sup>  
 Top out in (mm) : Ø 180  
 Top in (mm) : Ø 167  
 Base (mm) : Ø 142  
 Depth (mm) : 39  
 Total Height (mm) : 47  
 Rim type : Vertical Hemmed Edge



Type : Round  
 Code : R01-D200  
 Mould Name : USA-7<sup>®</sup>  
 Top out in (mm) : Ø 180  
 Top in (mm) : Ø 167  
 Base (mm) : Ø 142  
 Depth (mm) : 39  
 Total Height (mm) : 47  
 Rim type : Vertical Hemmed Edge



Round

Type : Round  
 Code : R02-500  
 Mould Name : USA-8"  
 Top out in (mm) : Ø 215  
 Top in (mm) : Ø 197  
 Base (mm) : Ø 179  
 Depth (mm) : 38  
 Total Height (mm) : 45  
 Rim type : Vertical Hemmed Edge



Type : Round  
 Code : R02-L200  
 Mould Name : USA-8"  
 Top out in (mm) : Ø 215  
 Top in (mm) : Ø 197  
 Base (mm) : Ø 179  
 Depth (mm) : 38  
 Total Height (mm) : 45  
 Rim type : Vertical Hemmed Edge



Type : Round  
 Code : R02-D200  
 Mould Name : USA-8"  
 Top out in (mm) : Ø 215  
 Top in (mm) : Ø 197  
 Base (mm) : Ø 179  
 Depth (mm) : 38  
 Total Height (mm) : 45  
 Rim type : Vertical Hemmed Edge





## Round

Type	: Round
Code	: R03-500
Mould Name	: USA-9"
Top out in (mm)	: Ø 215
Top in (mm)	: Ø 197
Base (mm)	: Ø 179
Depth (mm)	: 38
Total Height (mm)	: 45
Rim type	: Vertical Hemmed Edge



Type	: Round
Code	: R03-L200
Mould Name	: USA-9"
Top out in (mm)	: Ø 215
Top in (mm)	: Ø 197
Base (mm)	: Ø 179
Depth (mm)	: 38
Total Height (mm)	: 45
Rim type	: Vertical Hemmed Edge



Type	: Round
Code	: R03-D200
Mould Name	: USA-9"
Top out in (mm)	: Ø 215
Top in (mm)	: Ø 197
Base (mm)	: Ø 179
Depth (mm)	: 38
Total Height (mm)	: 45
Rim type	: Vertical Hemmed Edge



## Oval

Type	: Oval
Code	: O01-1000
Mould Name	: OVAL- 600 ml
Top out in (mm)	: 188 x 132
Top in (mm)	: 175 x 115
Base (mm)	: 155 x 95
Depth (mm)	: 41
Total Height (mm)	: 50
Rim type	: IVC





## Catering Trays

Type : Catering Trays  
 Code : C01-25  
 Mould Name : 12" Lazy Susan  
 Top out in (mm) : Ø 304.8  
 Top in (mm) : Ø 285.8  
 Base (mm) : Ø 254  
 Depth (mm) : 9.8  
 Total Height (mm) : 14.3  
 Rim type : Full Raised Curl



Type : Catering Trays  
 Code : C02-25  
 Mould Name : 12" Service  
 Top out in (mm) : Ø 304.8  
 Top in (mm) : Ø 285.8  
 Base (mm) : Ø 254  
 Depth (mm) : 9.8  
 Total Height (mm) : 14.3  
 Rim type : Full Raised Curl



Type : Catering Trays  
 Code : C03-25  
 Mould Name : 16" Lazy Susan  
 Top out in (mm) : Ø 406.4  
 Top in (mm) : Ø 387.4  
 Base (mm) : Ø 355.6  
 Depth (mm) : 15.8  
 Total Height (mm) : 20.3  
 Rim type : Full Raised Curl



### Catering Trays

Type : Catering Trays  
 Code : C04-25  
 Mould Name : 16" Service  
 Top out in (mm) : Ø 406.4  
 Top in (mm) : Ø 387.4  
 Base (mm) : Ø 355.6  
 Depth (mm) : 15.8  
 Total Height (mm) : 20.3  
 Rim type : Full Raised Curl



Type : Catering Trays  
 Code : C05-25  
 Mould Name : 18" Lazy Susan  
 Top out in (mm) : Ø 457.2  
 Top in (mm) : Ø 438.2  
 Base (mm) : Ø 406.4  
 Depth (mm) : 19.1  
 Total Height (mm) : 23.6  
 Rim type : Full Raised Curl



Type : Catering Trays  
 Code : C06-25  
 Mould Name : 18" Service  
 Top out in (mm) : Ø 457.2  
 Top in (mm) : Ø 438.2  
 Base (mm) : Ø 406.4  
 Depth (mm) : 19.1  
 Total Height (mm) : 23.6  
 Rim type : Full Raised Curl





## Steam Tables

Type	: Steam Tables
Code	: S01-100
Mould Name	: Half steam - Shallow
Top out in (mm)	: 323 x 266
Top in (mm)	: 297 x 240
Base (mm)	: 274.6 x 214.3
Depth (mm)	: 37.9
Total Height (mm)	: 42.9
Rim type	: Full Raised Curl



Type	: Steam Tables
Code	: S02-100
Mould Name	: Half steam - Medium
Top out in (mm)	: 323 x 266
Top in (mm)	: 297 x 240
Base (mm)	: 266.7 x 206.4
Depth (mm)	: 50.6
Total Height (mm)	: 55.6
Rim type	: Full Raised Curl



Type	: Steam Tables
Code	: S03-100
Mould Name	: Half steam - Deep
Top out in (mm)	: 323 x 266
Top in (mm)	: 297 x 240
Base (mm)	: 254 x 194
Depth (mm)	: 63
Total Height (mm)	: 68
Rim type	: Full Raised Curl



## Steam Tables

Type : Steam Tables  
 Code : S04-50  
 Mould Name : Full steam - Shallow  
 Top out in (mm) : 527.76 x 327.76  
 Top in (mm) : 500 x 300  
 Base (mm) : 473 x 273  
 Depth (mm) : 36.3  
 Total Height (mm) : 41.3  
 Rim type : Full Raised Curl



Type : Steam Tables  
 Code : S05-50  
 Mould Name : Full steam - Medium  
 Top out in (mm) : 527.76 x 327.76  
 Top in (mm) : 500 x 300  
 Base (mm) : 447.7 x 244.5  
 Depth (mm) : 50.6  
 Total Height (mm) : 55.6  
 Rim type : Full Raised Curl



Type : Steam Tables  
 Code : S06-50  
 Thickness in gauge : 59.05511811  
 Mould Name : Full steam - Deep  
 Top out in (mm) : 527.76 x 327.76  
 Top in (mm) : 500 x 300  
 Base (mm) : 432 x 225  
 Depth (mm) : 87.2  
 Total Height (mm) : 92.2  
 Rim type : Full Raised Curl





## Steam Tables

Type : Foil Lids - Steam Tables  
Code : STL1-100  
Mould Name : Half steam lid  
Top out in (mm) : 538 x 338  
Base (mm) : 419 x 219  
Depth (mm) : 13  
Total Height (mm) : 15  
Rim type : MC



Type : Foil Lids - Steam Tables  
Code : STL2-50  
Mould Name : Full steam lid  
Top out in (mm) : 538 x 338  
Base (mm) : 419 x 219  
Depth (mm) : 13  
Total Height (mm) : 15  
Rim type : MC







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