

2022
Edition

Melamine Catalog

ALL COLORS WE CAN



WWW.THAIKK.CO.TH

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LINE @thaikk



THAIKK
GROUP

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Company PROFILE

Our Mission is to deliver a **WOW** product & customer experience by creating walking innovations, sustainable, lifestyle products that fits your everyday needs. Thai KK Group focuses on proactive approach to product high-quality products, with global certifications, to serve the global demands in all industries.

Thai KK Industry Company Limited - with **40 years** of experience in manufacturing high-quality adhesive tapes, we are able to innovate new products that fits all types of applications.

1978 Thai KK Industry Co., Ltd. was established in 1978. It originally started to operate in the domestic market. With the adoption of conglomerate strategies and new market shares from export sales, Thai KK has transformed to a multinational company in recent times.

2012 Thai KK is a market leader in **Label Industry, Adhesive Tapes, Melamine and Urea moulding compounds**. The plant is situated on 60 rai of land (88,000 M2), with about 500 employees in year 2015.

2019 Thai KK is a **market leader** in Label Industry, Adhesive Tapes, Melamine and Urea Moulding compounds.



Company Profile
VIDEO



Technology

OVERVIEW



HISTORY

Thai KK has been the acknowledged pioneer in Thailand for the manufacturing of melamine and urea molding compound, through the technical transference from Daiwa Co., Ltd. Japan.



QUALITY CHECK

The quality of our melamine and urea molding compound and glazing powder can be guaranteed by both physical and chemical QC processes.



COLOR LAB TEST

by Color spectrophotometer
We measure color values every lot, the products must have less than 1.0 deltaE (L.a.b) when compared with color standards.



COLOR MATCHING

We have several types of pantone and use standard color boxes for color matching.







Lifestyle Solutions

***We are the leading raw material supplier
of consumer and industrial products***

Quality Overview & SYSTEMS



ISO 9001:2015

International quality assurance system assures its products and services are at a high quality standard for our customers.



ROHS

Restrictions of Hazardous Substances



TIS STANDARDS

UEN. 1245 - 2553 (2010)

Certified of Industrial Product Melamine-Formaldehyde Molding Compounds

UEN. 1178-2549 (2006)

Certified of Industrial Product Urea-Formaldehyde Molding Compounds



EUROPEAN STANDARDS

NO. EU 10/2011

Plastic materials and articles intended to come into contact with food



U.S. FDA REGULATIONS

(FDA PART 177.1460)



Best Seller



HORECA

- • • Our HORECA Melamine can be used to create HORECA tableware collection to serve all Hotels, Restaurants and Catering Businesses' requirement. We aim to offer products with high quality and certified by European Standards. The product's strength is its resistance to breaking while also being the preferred choice for an elegant decoration.



100% BPA Free

Hot Seller



STONEWARE

- • • The product which made from melamine stoneware will be loft style. They are suitable for molding in either gloss or matte finish. The finished products will have a ceramic or stone-like finish.



100% BPA Free

MELAMINE Horeca



General Property

- ✓ Food grade and 100% BPA Free
- ✓ Break - resistant
- ✓ Dishwasher Safe
- ✓ Resistant to high temperatures
- ✓ Durable
- ✓ Provide in powder form and granular form

Product Details

| PROPERTY | UNIT | COMPRESSION | INJECTION |
|--------------------------------------|-------------------|------------------------|-----------------------|
| Appearance | - | Powder / Granular form | Granular form |
| Specific Gravity | - | 1.45 - 1.55 | 1.45 - 1.55 |
| Bending Strength | MPa | 79.0 Min. | 79.0 Min. |
| Charpy Impact Strength | kJ/m ² | 2.0 Min. | 2.0 Min. |
| Water Absorption | % | 0.8 Max. | 0.8 Max. |
| Insulation Resistance | Ω | 10 ¹⁰ Min. | 10 ¹⁰ Min. |
| Disc Flow (2 g material, at 140°C) | mm. | 87 Min. | 105 Min. |
| Curing time (2 g material, at 140°C) | sec. | 100 Min. | 140 Min. |

Formula

SS Slow curing time, suitable for large model or difficult to mold

Normal Suitable for several shape

F Fast curing time, suitable for high productivity and increase glossy appearance

Packaging



- 20 kg
- 25 kg





“ MELAMINE Horeca



Description and Applications

Our HORECA Melamine can be used to create HORECA tableware collection to serve all Hotels, Restaurants and Catering Businesses' requirement. We aim to offer products with high quality and certified by European Standards. The product's strength is its resistance to breaking while also being the preferred choice for an elegant decoration. ”



MELAMINE Color Melamine



General Property

- ✓ Colorful
- ✓ Food grade and 100% BPA Free
- ✓ Durable / Break - resistant
- ✓ Dishwasher Safe
- ✓ Resistant to high temperatures
- ✓ Provide in powder form and granular form

Product Details

| PROPERTY | UNIT | COMPRESSION | INJECTION |
|--------------------------------------|-------------------|------------------------|-----------------------|
| Appearance | - | Powder / Granular form | Granular form |
| Specific Gravity | - | 1.45 - 1.55 | 1.45 - 1.55 |
| Bending Strength | MPa | 79.0 Min. | 79.0 Min. |
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| Disc Flow (2 g material, at 140°C) | mm. | 87 Min. | 105 Min. |
| Curing time (2 g material, at 140°C) | sec. | 100 Min. | 140 Min. |

Formula

SS Slow curing time, suitable for large model or difficult to mold

CS Slow curing time and high flow rate, suitable for chopsticks

Normal Suitable for several shape

F Fast curing time, suitable for high productivity and increase glossy appearance

Packaging



- 20 kg
- 25 kg



“ MELAMINE Color Melamine



Description and Applications

Colorful and bright color melamine – formaldehyde molding compound can mold into several shapes and is popular for serving in restaurants, catering businesses and for home-use. It is also the preferred choice for kids’ tableware.



MELAMINE **Black Melamine**



General Property

- ✓ Food grade and 100% BPA Free
- ✓ Elegant with deep black
- ✓ Durable / Break - resistant
- ✓ Dishwasher Safe
- ✓ Resistant to high temperatures
- ✓ Provide in powder form and granular form

Product Details

| PROPERTY | UNIT | COMPRESSION | INJECTION |
|--------------------------------------|-------------------|------------------------|-----------------------|
| Appearance | - | Powder / Granular form | Granular form |
| Specific Gravity | - | 1.45 - 1.55 | 1.45 - 1.55 |
| Bending Strength | MPa | 79.0 Min. | 79.0 Min. |
| Charpy Impact Strength | kJ/m ² | 2.0 Min. | 2.0 Min. |
| Water Absorption | % | 0.8 Max. | 0.8 Max. |
| Insulation Resistance | Ω | 10 ¹⁰ Min. | 10 ¹⁰ Min. |
| Disc Flow (2 g material, at 140°C) | mm. | 87 Min. | 105 Min. |
| Curing time (2 g material, at 140°C) | sec. | 100 Min. | 140 Min. |

Formula

SS Slow curing time, suitable for large model or difficult to mold

CS Slow curing time and high flow rate, suitable for chopsticks

Normal Suitable for several shape

F Fast curing time, suitable for high productivity and increase glossy appearance

Packaging



- 20 kg
- 25 kg





“ MELAMINE Black Melamine

Description and Applications

Black color tableware made from melamine – formaldehyde molding compound can mold into several shapes and is popular for serving in Hotels, Restaurants, Catering Businesses. It is also the popular choice for elegant HORECA businesses.

- • •
- • •
- • •

”



MELAMINE Stoneware



General Property

- ✓ Food grade and 100% BPA Free
- ✓ Ceramic-like appearance
- ✓ Durable / Break - resistant
- ✓ Dishwasher Safe
- ✓ Resistant to high temperatures
- ✓ Provide in powder form

Product Details

| PROPERTY | UNIT | COMPRESSION |
|--------------------------------------|-------------------|------------------------|
| Appearance | - | Powder / Granular form |
| Specific Gravity | - | 1.45 - 1.55 |
| Bending Strength | MPa | 79.0 Min. |
| Charpy Impact Strength | kJ/m ² | 2.0 Min. |
| Water Absorption | % | 0.8 Max. |
| Insulation Resistance | Ω | 10 ¹⁰ Min. |
| Disc Flow (2 g material, at 140°C) | mm. | 87 Min. |
| Curing time (2 g material, at 140°C) | sec. | 100 Min. |

Formula

SS Slow curing time, suitable for large model or difficult to mold

Normal Suitable for several shape

Packaging



- 20 kg
- 25 kg





“ MELAMINE Stoneware

Description and Applications

The product which made from melamine stoneware will be loft style. They are suitable for molding in either gloss or matte finish. The finished products will have a ceramic or stone-like finish. ”

- • •
- • •
- • •



MELAMINE Eco Friendly Product



General Property

- ✓ The preferred choice for an elegant and eco-friendly dinnerware solution
- ✓ Natural texture of renewable raw materials
- ✓ Food grade and 100% BPA Free
- ✓ Durable / Break - resistant
- ✓ Dishwasher Safe
- ✓ Provide in powder form

Product Details

| PROPERTY | UNIT | COMPRESSION |
|--------------------------------------|-------------------|--|
| Appearance | - | Powder / Granular form |
| Specific Gravity | - | 1.45 - 1.55 |
| Bending Strength | MPa | 79.0 Min. |
| Charpy Impact Strength | kJ/m ² | 2.0 Min. |
| Water Absorption | % | 0.8 Max. |
| Insulation Resistance | Ω | 10 ¹⁰ Min. |
| Heat resistance (120 ± 2°C) | - | Resistance to distortion, breakage, and cracking |
| Resistance to sulfuric acid | - | No cracks, loss of gloss or discoloration |
| Disc Flow (2 g material, at 140°C) | mm. | 87 Min. |
| Curing time (2 g material, at 140°C) | sec. | 100 Min. |

Formula

SS Slow curing time, suitable for large model or difficult to mold

Normal Suitable for several shape

Packaging

- 20 kg
- 25 kg

Melamine Natural Plus
Coconut Residue





“ MELAMINE Eco Friendly Product

Description and Applications

The products combine with raw materials from renewable sources such as cellulose powder, wood fiber material, bagasse, sawdust and the residues remaining after the harvest of crops. This kind of product helps create natural-finishing for the finished product. It is also the preferred choice for an elegant and eco-friendly dinnerware solution. ”



MELAMINE High Density



General Property

- ✓ 10 - 20% Heavier than regular product
- ✓ Ceramic-like appearance
- ✓ Food grade and 100% BPA Free
- ✓ Durable / Break - resistant
- ✓ Dishwasher Safe
- ✓ Provide in powder form

Product Details

| PROPERTY | UNIT | COMPRESSION |
|--------------------------------------|-------------------|------------------------|
| Appearance | - | Powder / Granular form |
| Specific Gravity | - | 1.45 - 1.55 |
| Bending Strength | MPa | 79.0 Min. |
| Charpy Impact Strength | kJ/m ² | 2.0 Min. |
| Water Absorption | % | 0.8 Max. |
| Insulation Resistance | Ω | 10 ¹⁰ Min. |
| Disc Flow (2 g material, at 140°C) | mm. | 87 Min. |
| Curing time (2 g material, at 140°C) | sec. | 100 Min. |

Formula

SS Slow curing time, suitable for large model or difficult to mold

Normal Suitable for several shape

Packaging



- 20 kg
- 25 kg





“ MELAMINE High density

Description and Applications

Product with higher density which offers higher durability and brings elegance and distinction to your design. High density melamine is resistant to being dropped and is dishwasher safe. They are suitable for molding in either gloss or matte finish. With a simple and elegant design, your product will create a ceramic and porcelain-like finishing. ”

- • •
- • •
- • •

MELAMINE Color Matching



Customized to order service

Form

- Powder form
- Granular form

Formula

SS Slow curing time,
suitable for large
model or difficult
to mold

Normal Suitable for
several shape

Packaging



- 20 kg
- 25 kg





“ MELAMINE Color Matching

Thai KK Group's Melamine Molding Compound is a thermosetting plastic, composed of alpha-cellulose filled melamine formaldehyde resin, of which it is available in wide range of colors.

We are able to color-match based on our customer's requirements. In-house color matching capabilities are ready to fulfill your request. It is manufactured by both compression and injection molding methods. ”

- • •
- • •
- • •

UREA Electronic Devices



General Property

- ✓ Self-extinguishing and flame resistant properties
- ✓ Higher durability
- ✓ Chemical resistant
- ✓ High mechanical strength
- ✓ Inherent antibacterial properties
- ✓ Provide in powder form and granular form

Product Details

| PROPERTY | UNIT | COMPRESSION | INJECTION |
|---------------------------------------|-------------------|----------------------|----------------------|
| Appearance | - | Granular form | Granular form |
| Specific Gravity | - | 1.45 – 1.55 | 1.45 – 1.55 |
| Bending Strength (Normal state) | MPa | 78.0 Min. | 78.0 Min. |
| Charpy Impact Strength, Notched | kJ/m ² | 2.0 Min. | 2.0 Min. |
| Water Absorption | % | 1.5 Max. | 1.5 Max. |
| Insulation Resistance (Normal state) | Ω | 10 ⁹ Min. | 10 ⁹ Min. |
| Insulation Resistance (After boiling) | mm. | 10 ⁵ Min. | 10 ⁵ Min. |
| Arc-proof property | sec. | 80.0 | 80.0 |
| Flammability UL 94 | mm. | V-0 | V-0 |
| Disc Flow (2 g material, at 140 °C) | | 105 Min. | 115 Min. |
| Curing Time (2 g material, at 140 °C) | mm. | 40 Min. | 50 Min. |

Packaging



- 20 kg
- 25 kg





“ UREA Electronic Devices ”

Electronic devices made from urea molding compound exhibit the excellent properties of high mechanical strength, electrical arc and insulation resistance, flame resistance, chemical resistance.

With its excellent coloring and electrical properties, this product is used in many electrical and electronics parts. ”

- • •
- • •
- • •



UREA Sanitary Ware



General Property

- ✓ Inherent antibacterial properties
- ✓ Higher durability
- ✓ Chemical resistant
- ✓ Ceramic feeling surface
- ✓ Provide in powder form and granular form

Product Details

| PROPERTY | UNIT | COMPRESSION | INJECTION |
|---------------------------------------|-------------------|----------------------|----------------------|
| Appearance | - | Granular form | Granular form |
| Specific Gravity | - | 1.45 – 1.55 | 1.45 – 1.55 |
| Bending Strength (Normal state) | MPa | 78.0 Min. | 78.0 Min. |
| Charpy Impact Strength, Notched | kJ/m ² | 2.0 Min. | 2.0 Min. |
| Water Absorption | % | 1.5 Max. | 1.5 Max. |
| Insulation Resistance (Normal state) | Ω | 10 ⁹ Min. | 10 ⁹ Min. |
| Insulation Resistance (After boiling) | Ω | 10 ⁵ Min. | 10 ⁵ Min. |
| Arc-proof property | s | 80.0 | 80.0 |
| Flammability UL 94 | Class | V-0 | V-0 |
| Disc Flow (2 g material, at 140 °C) | mm. | 105 Min. | 115 Min. |
| Curing Time (2 g material, at 140 °C) | sec. | 40 Min. | 50 Min. |

Packaging



- 20 kg
- 25 kg





“ UREA Sanitary Ware

Sanitary ware made from urea molding compound exhibit the excellent properties of chemical resistance, durable and anti-bacterial property. ”

• • •
• • •
• • •



UREA Color Matching



Customized to order service

Form

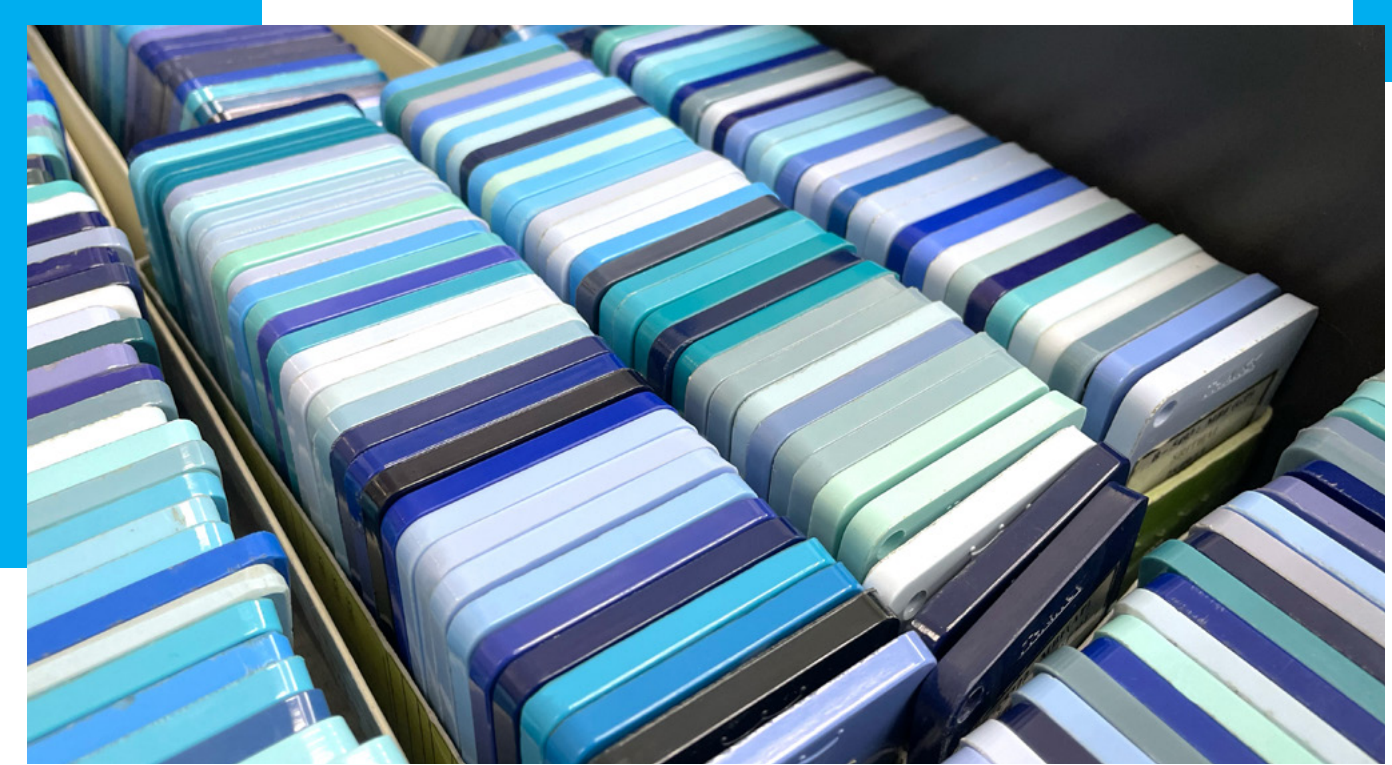
- Powder form
- Granular form

Packaging



- 20 kg
- 25 kg





“ UREA Color Matching

Thai KK Group’s Urea Molding Compound is a thermosetting plastic. It is available in wide range of colors.

We are able to color-match based on our customer’s requirements. In-house color matching capabilities are ready to fulfill your request. It is manufactured by both compression and injection molding methods.



”

Glazing Resin For Coating



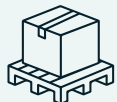
General Property

- ✓ High glossy surface
- ✓ Food grade and 100% BPA Free
- ✓ Durable
- ✓ Dishwasher Safe
- ✓ Stain resistance

Product Details

| PROPERTY | UNIT | COMPRESSION |
|--------------------------------------|-------------------|--------------|
| Appearance | - | White Powder |
| Density | g/cm ² | 0.38 - 0.44 |
| Moisture | %free water | 6.0 - 7.0 |
| Disc Flow (0.3 g material, at 140°C) | mm. | 130 - 140 |
| Curing time (at 160-170°C) | sec. | 20 - 30 |

Packaging



• 10 kg



Stored in a dry place and kept as cool as possible



Below 25 °C





“ MELAMINE For Coating ”

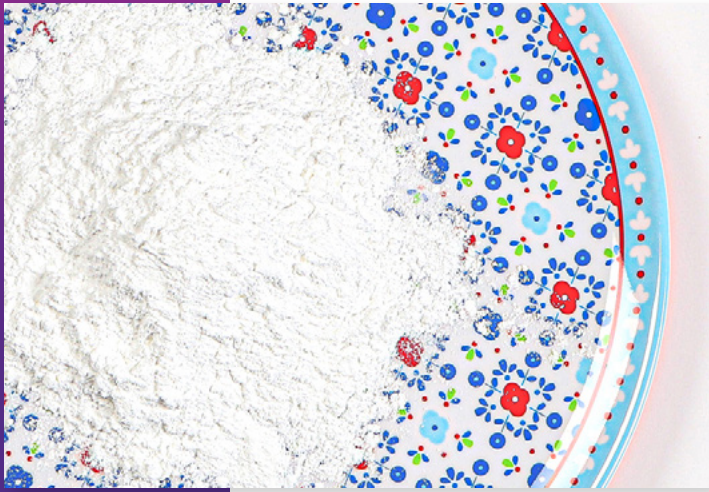
Glazing powder for coating is used on tableware or on the decal paper to create a shining tableware finishing. When used on tableware and decal paper surface, it can increase the degree of surface brightening, making the dishes more beautiful, elegant and gorgeous.

The finished product exhibit excellent gloss, surface hardness, stain resistance, heat resistance and chemical resistance. ”



Glazing Resin

For Decorative Foil Paper



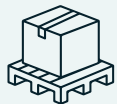
General Property

- ✓ For decorative foil paper
- ✓ Food grade and 100% BPA Free
- ✓ Easy to use
- ✓ Easily soluble in water

Product Details

| PROPERTY | UNIT | COMPRESSION |
|----------------------------|-------------------|--------------|
| Appearance | - | White Powder |
| Density | g/cm ² | 0.38 - 0.44 |
| Moisture | %free water | 7.0 Max |
| Curing time (at 160-170°C) | sec. | 15 - 25 |

Packaging



• 10 kg



Stored in a dry place and kept as cool as possible



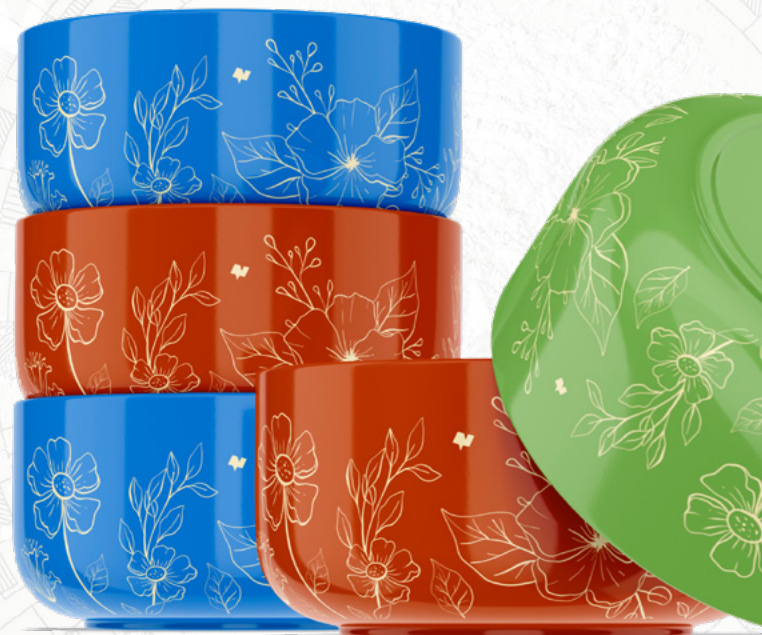
Below 25 °C





“ MELAMINE For Decorative Foil Paper : : :

Glazing Powder for decorative foil paper is a melamine-formaldehyde resin suitable for decorative foil paper application. It can be used with automatic roller machine and manual machine. ”



MELAMINE Plant Pot



General Property

- ✓ Ceramic-like texture
- ✓ More resistant to falling than ceramics
- ✓ Customized color
- ✓ Various designs for selection



“ Plant Pot

Look like ceramics,
simple fashion,
non-fragile, easy
packaging, convenient
transportation and
reasonable price ”



MELAMINE Plant Pot



Product Details

| MODEL | PRODUCT IMAGE | Model | SIZE (CM) | WEIGHT (G) | COLOR |
|------------------|---------------|------------|-----------------------|------------|-------|
| <i>Trapezoid</i> | | F34-3 | S: 13.5 x 13.5 x 17 | 198.3 | ● |
| | | F34-4 | M: 18 x 18 x 21 | 319.5 | ● |
| | | F34-5 | L: 23.5 x 23.5 x 25.6 | 749.3 | ○ |
| <i>Ellipso</i> | | Y38-1 | S: D5.5 x H4.5 | 47.9 | ● |
| | | Y38-2 | M: D7.5 x H5.7 | 73.9 | ○ |
| | | Y38-3 | L: D10.5 x H7 | 136.1 | ○ |
| <i>Circulux</i> | | Y1808-1/YS | S: D9.5 x H9.5 | 76.5 | ● |
| | | Y1808-2/YS | M: D11.0 x H11.0 | 117.4 | ○ |
| | | Y1808-3/YS | L: D12.5 x H12.5 | 141.8 | ● |
| <i>Taumax</i> | | Y1832-1 | S: D9.5 x H7 | 62.7 | ● |
| | | Y1832-2 | M: D11 x H8.5 | 87.2 | ● |
| | | Y1832-3 | L: D14.5 x H10.5 | 181.0 | ○ |
| <i>Circudeck</i> | | Y129-1 | S: D9.5 x H9.5 | 84.5 | ○ |
| | | Y129-2 | M: D12 x H11.5 | 143.5 | ● |
| | | Y129-3 | L: D15 x H14.5 | 263.5 | ● |
| | | Y129-4 | XL: D18 x H17.5 | 315.3 | ● |
| <i>Jaraz</i> | | Y17-5B | S: D14.3 x H13 | 172.1 | ● |
| | | Y17-7B | M: D20 x H18.5 | 349.2 | ○ |
| | | Y17-10B | L: D30 x H25 | 1088.5 | ● |

MELAMINE Sponge



General Property

- ✓ Looks like sponge, cleans like magic
- ✓ Powerful cleaning with water alone
- ✓ Microscrubbers lift and remove dirt all around your home



Product Details

Works like a very soft sandpaper, as hard as glass but the fine cell structure provides the product's flexibility.

When Melamine sponge is moistened, it slides easily and rub the dirt off the surface



Packaging



1 PCS. IN POUCH

- SIZE : 10 x 6 x 2 cm.
- SIZE : 10 x 7 x 3 cm.



MELAMINE Sponge



“ MELAMINE Sponge or Magic Eraser



can remove stain or dirt with water

- Just add water, put away that smelly bleach (non-toxic cleaning alternative).
- Simply wet, squeeze, and wipe.
- Can be used for kitchen, bathroom, door, shoes, sofa, various kinds of leather, floor, baseboard and more

”



MELAMINE Upcycling Plate Tableware



General Property

- ✓ Unique and ecological design
- ✓ Ceramic-like texture
- ✓ Durable / Break resistance
- ✓ Food grade and 100% BPA Free
- ✓ Dishwasher safe
- ✓ Provide in powder form

HOW WE MADE



Upcycling “The act of taking something no longer in use and giving it a second life and new function. In doing so, the finished product often becomes more practical, valuable and beautiful than what it previously was.”

MELAMINE Upcycling Plate Tableware



“ MELAMINE Upcycling Plate Tableware ”

Our upcycling melamine use old melamine tableware as raw material. In production process, we adjust and create them to the new design with high value and quality. The products will be unique and gorgeous.

They are suitable for molding in either gloss or matte finish.

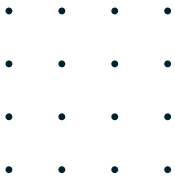
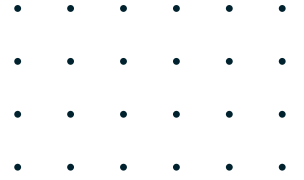


Melamine
UPCYCLING
Tableware





Thai KK, we are a manufacturer who are produce and supply the high quality products recognized by both domestic and international customers.



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SHOP ONLINE



www.thaikk.co.th

