



**KÖMAPRINT**<sup>®</sup>  
printing. laminating. cutting out.

**KÖMAPRINT**<sup>®</sup> – always leaves  
an excellent impression



**Trade information for:**

- Decorators
- Advertising technicians
- Digital printers
- Design & advertising agencies
- Exhibitors
- Exhibition stand builders
- POS fitters
- Sign makers
- Modellers and prototype builders



**KÖMMERLING**<sup>®</sup>  
*Business Unit Sheets*

## KÖMAPRINT® – a star not only in series production!

KömaPrint provides the printing industry and display makers with an innovative material that meets every requirement with respect to its special material properties.

The finely textured surface, and the bright white material similar to RAL 9003 provide the foundation for an outstanding printed image. The material has particular advantages for screen printing, digital printing and lamination.

For display making, KömaPrint combines a fine-cell structure with an extremely stable material formulation into a rigid yet lightweight material.

The material is also moisture-resistant, and is therefore equally suitable for use both indoors and outdoors.

Whether for series production or for one-offs, whether punched, cut, sawn or cut out: KömaPrint also has the ideal properties for further processing.

The stabilisation system meets the latest requirements of the REACH standard (EC no. 1907/2006). KömaPrint contains no substances or compounds classified as toxic in EU Directive 76/769/EEC, as will come into force on 1 January 2012.

## Application areas

- Digital printing
- Screen printing
- Photograph lamination
- Signs
- Displays
- Billboards
- Lettering boards
- Trade fair and shop displays
- Promotion
- Model construction
- Shop-window displays



## Characteristics

-  .Fine textured surface
-  .Fine-celled foam structure
-  .Colour 667 bright white
-  .Highly suitable for printing
-  .Suitable for filming
-  .Easy to bond
-  .Punchable
-  .Flame-resistant
-  .Easy to work
-  .Process-safe print finishing
-  .Ideal for cutting, trimming and sawing
-  .Lightweight
-  .Moisture-resistant
-  .Suitable for both indoor and outdoor use

## Delivery programme

Sizes (in mm)	White 667 in thickness (mm)	pieces / pallet
2440 X 1220	2	140
3050 X 1220	2	140
3050 X 1560	2	140
3050 X 2050	2	90
2440 X 1220	3	125
3050 X 1220	3	125
3050 X 1560	3	100
3050 X 2050	3	80
2440 X 1220	4	100
3050 X 1220	4	90
3050 X 1560	4	70
3050 X 2050	4	70
2440 X 1220	5	90
3050 X 1220	5	70
3050 X 1560	5	60
3050 X 2050	5	60
2440 X 1220	6	75
3050 X 1220	6	60
3050 X 1560	6	50
3050 X 2050	6	50
2440 X 1220	8	50
3050 X 1220	8	50
3050 X 1560	8	50
3050 X 2050	8	30
2440 X 1220	10	50
3050 X 1220	10	50
3050 X 1560	10	40
3050 X 2050	10	30

Sheets with protective film on one side.

## Processing



### Machining

Sawing, milling, drilling, cutting, perforating, water-jet cutting



### Forming

Folding, bending, punching, compression moulding, embossing, welding, bonding



### Printing, lacquering and filming

Digital printing, screen printing, acrylic paints/lacquers, 2-component paints/lacquers, commercially available synthetic paints, lamination

## Technical Data

Properties	Test method	Unit	Value
Density	DIN 53479 / ISO 1183	g/cm <sup>3</sup>	~ 0,50
Tensile strength	DIN 53455 / ISO 527	MPa	> 10
Elongation at tear	DIN 53455 / ISO 527	%	~ 12
Tensile modulus of elasticity	DIN 53457 / ISO 527-2/1A/50	MPa	~ 600
Flexural strength	DIN 53452 / ISO 178	MPa	~ 20
Impact strength	DIN 53452 / 179 (based on)	kJ/m <sup>2</sup>	> 8
Surface roughness	DIN 4768	µm	< 5
Ball indentation harness	DIN 53456 / ISO 2039-1	MPa	~ 5
Deflection temperature	DIN 53461 / ISO 75 (process Ae)	°C	~ 58
Vicat A temperature	DIN 53460 / ISO 306 (process A50)	°C	72
Printing / lacquering			very good
Digital printing			very good
Filming			very good
Colour			667 similar to RAL 9003, de < 2,3
Thermoforming			no
Fire behaviour	DIN 4102 (D) NFP 92-501 (F)		B1 für 2-5 mm M1 für 2-5 mm
Weather-resistant and lightfast in acc. w. DIN EN 513 for a period of			3 years

## Tolerance

Plate thickness	Thickness tolerance	
	in mm	absolute in mm
2 mm	+ 0.10 / - 0.25	0.25
3 mm	+ 0.10 / - 0.30	0.30
4 mm	+ 0.10 / - 0.35	0.35
5 mm	+ 0.10 / - 0.40	0.40
6 mm	+ 0.10 / - 0.50	0.45
8 mm	+ 0.10 / - 0.55	0.50
10 mm	+ 0.10 / - 0.70	0.60

Length tolerance: -0 / +8 mm

Width tolerance: -0 / +2,5 mm

With the compliments of: