

**Product Datasheet / Issue 09/16 / Replaces Issue 02/12**

09.09.2016/Bea

**Characteristics:**

<b>application:</b>	KAPA@plast is a premium substrate with plastic-coating and primer-finish for digital printing and screen printing. It is also an ideal base board for all types of artwork, model making and stand building.
<b>panel construction:</b>	sandwich–element with PUR–rigid foam core and plastic-coated cellucarton covering layers (primer-finished)
<b>Behaviour in external conditions</b>	The board is not flame retardant. The foam shows no water absorption, only the cut cells. The layer is resistant against water/humidity.
<b>Chemical effects</b>	The foam is resistant against nearly all solvents and glues. For glues with toluol please make trials. The layers can be processed with standard glues and inks.
<b>Behaviour against thermal effects</b>	Sheet processing temperature Continuous Td = -20°C up to 100°C Short-term Tk = up to 130°C
<b>Additional compliance to following standards</b>	DIN ISO 9001:2008 DIN ISO 14001:2004 BS OHSAS 18001:2007 (Development, manufacturing and sales of lightweight boards and PUR-forming parts)

For more information please see [www.display.3AComposites.com](http://www.display.3AComposites.com)

All data are based on our current knowledge and experience.

They are considered as a reference without being legally binding.

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**Technical Data:**

Attribute	Value				Tolerance	Unit	Method
Thickness	3	5	10	15	± 0,6	mm	KAPA-Meth.
Density	60	55	50	46	± 3	kg/m <sup>3</sup>	KAPA-Meth.
Weight per unit area	730	825	1050	1240		g/m <sup>2</sup>	KAPA-Meth.
Fire classification	B3					-	DIN 4102
Compression strength 10% compression set	~0,1	~0,35	~0,46	~0,43		N/mm <sup>2</sup>	DIN 53421
Memory effect 10% compression set	~98	~98	~97	~97		%	DIN 53421
Elastic modulus (E-Modul)	~3,7	~4,0	~10,0	~12,4		N/mm <sup>2</sup>	DIN 53421
Bending strength	~9,2	~6,5	~3,5	~2,8		N/mm <sup>2</sup>	DIN 53423
Closed cell structure	> 95					-	KAPA-Meth.
PAT* (Photographic Activity Test)	passed					-	ISO 18916
pH-value	7,95(acid-free)					-	DIN 53124
CIE lab value (approx. values)	~L=95,5(a=-0,08 b=+0,5)					-	MINOLTA

\* IPI Rochester

**For available sizes please see delivery programme.**

**Tolerances:**

Width		± 1 mm	
Length	< 2400	± 1 mm	
	> 2400	- 1 + 10 mm	
Right angle		± 1 mm / m	

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