

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

09.09.2016/Bea

Characteristics:

application:	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.
panel construction:	sandwich–element with PUR–rigid foam core and plastic-coated cellucarton covering layers (primer-finished)
Behaviour in external conditions	The board is not flame retardant. The foam shows no water absorption, only the cut cells. The layer is resistant against water/humidity.
Chemical effects	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.
Behaviour against thermal effects	Sheet processing temperature Continuous Td = -20°C up to 100°C Short-term Tk = up to 130°C
Additional compliance to following standards	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
 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 ³	KAPA-Meth.
Weight per unit area	730	825	1050	1240		g/m ²	KAPA-Meth.
Fire classification	B3					-	DIN 4102
Compression strength 10% compression set	~0,1	~0,35	~0,46	~0,43		N/mm ²	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 ²	DIN 53421
Bending strength	~9,2	~6,5	~3,5	~2,8		N/mm ²	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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