



Product Datasheet / Issue 02/12 / Replaces Issue 08/11

Characteristics:

application:	KAPA [®] plast is a screen printing, inkjet-printing and punch plate; ideal base plate for all artwork, modelling and prop work, fill-in plate for mobile expo displays and framing elements, base plate for passepartout presentation and general support.
panel construction:	sandwich-element with PUR-rigid foam core, with plastic-coated cellucarton covering layers (primer-finished)
behaviour in external conditions:	The sheet is not flame retardant. The Foam shows no water absorption, only in cut cells. The layer is resistant against water/humidity.
chemical effects:	The foam is resistant against solvents and glues. For glues with toluol please make trials. The layer is resistant against glues and inks. Suitable for contact with art and culture goods (Oddy-Test)
behaviour against thermal effects:	Sheet processing temperature continuous $T_d = -20$ up to 100 short-term $T_k =$ up to 160 °C
additional compliance to following standards:	Certificate DIN ISO 9001:2008 Certificate DIN ISO 14001:2004 OHSAS 18001:2007 Development, manufacturing and sales of lightweight boards and PUR-forming parts

All data are based on our current knowledge and experience. They are considered as a reference without being legally binding.



3A Composites GmbH
Kiefernweg 10
49090 Osnabrück, Germany
display.eu@3AComposites.com
www.display.3AComposites.com



Technical Datasheet/ Issue 02/12 / Replaces Issue 08/11

Technical Data and Tolerances:

attribute	value				tolerance	unit	method
thickness	3,0	5,0	10,0	15,0	± 0,6	mm	KAPA-Meth.
density	60,0	55,0	50,0	46,0	± 3	kg/m ³	KAPA-Meth.
weight per unit area	720	830	1050	1240	-	g/m ²	KAPA-Meth.
fire certification	B 3				-	-	DIN 4102
compression strength 10% compression set	~0,10	~0,35	~0,50	~0,46	-	N/mm ²	DIN 53421
memory effect 10% compression set	~99	~99	~98	~97	-	%	DIN 53421
elastic modulus (E-Modul)	~3,7	~5,8	~9,4	~12,1	-	N/mm ²	DIN 53421
bending strength	~9,2	~5,2	~3,0	~2,5	-	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	L=95,29 (a=-0,16 b=+1,08)				-	-	MINOLTA

* IPI Rochester

Packaging Units

thickness in mm	3	5	10	15		
sizes in mm	sheets per box				tolerance	right angle
1000 x 700	40	24	12	-	± 1 mm	± 1 mm/m
1000 x 1400	40	24	12	-	± 1 mm	± 1 mm/m
3000 x 1400	-	18	12	8	-1+10mm	± 1 mm/m
3050 x 1530	-	16	8	-	-1+10mm	± 1 mm/m
3050 x 2030	-	16	8	-	-1+10mm	± 1 mm/m

All data are based on our current knowledge and experience. They are considered as a reference without being legally binding.

KAPA[®]

KAPAplast



3A Composites GmbH
Kiefernweg 10
49090 Osnabrück, Germany
display.eu@3AComposites.com
www.display.3AComposites.com