



KAPA[®]line

Product Datasheet / Issue 08/11 / Replaces Issue 01/08

Characteristics:

application:	KAPA [®] line is a classic decor, screen print and punch plate, ideal base for all creative artwork, modelling and presentation base plate, passepartout, framing and support plate.
panel construction:	sandwich–element with PUR–rigid foam with pigmented chromo-substitute carton layers
behaviour in external conditions:	The sheet is not flame retardant. The foam shows no water absorption, only in cut cells. The layer is not 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.
behaviour against thermal effects:	sheet processing temperature continuous $T_d = -20^{\circ}\text{C}$ up to 100°C Short-term $T_k =$ up to 160°C
additional compliance to following standards:	CertificateDIN ISO 9001:2008 Certificate DIN ISO 14001:2004 OHSAS 18001:2007 Development, manufacturing and sales of lightweight boards and PUR-formed 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



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Technical Datasheet/ Issue 08/11 / Replaces Issue 01/08

Technical Data and Tolerances:

attribute	value					tolerance	unit	method
thickness	3,0	5,0	10,0	15,0	20,0	± 0,6	mm	KAPA-Meth.
density	55,0	47,0	45,0	46,0	43,0	± 3	kg/m ³	KAPA-Meth.
weight per unit area	550	615	830	1070	1240	-	g/m ²	KAPA-Meth.
compression strength 10% compression set	~0,10	~0,20	~0,37	~0,41	0,47	-	N/mm ²	DIN 53421
memory effect 10% compression set	~95	~96	~97	~95	~96	-	%	DIN 53421
elastic modulus (E-Modul)	~1,7	~3,1	~4,6	~5,3	~7,4	-	N/mm ²	DIN 53421
bending strength	~7,4	~3,9	~2,1	~2,3	~1,9	-	N/mm ²	DIN 53423
closed cell structure	> 95						-	KAPA-Meth.
ph-value	8,1 acid free)						-	DIN 53124
CIE lab value	L=90,86 (a=+0,53 b=+1,52)						-	MINOLTA

* IPI Rochester

Packaging Units:

<i>thickness in mm</i>	3	5	10	15	20		
<i>sizes in mm</i>	<i>sheets per unit</i>					<i>tolerance</i>	<i>right angle</i>
500 x 700	40	24	12	-	-	± 1 mm	± 1 mm/m
1000 x 700	40	24	12	8	-	± 1 mm	± 1 mm/m
1000 x 1400	40	24	12	8	-	-1+10mm	± 1 mm/m
3000 x 1400	-	18	12	8	6	-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

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