



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

Characteristics:

application:	KAPA [®] plast is a screen printing, inkjet printing and die cutting 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.
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:	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.



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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	± 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.
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	6,4				-	-	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

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