

Technical Datasheet/ Issue 07/07 / Replaces Issue 02/06

Characteristics

<b>application:</b>	<b>KAPA</b> <sup>®</sup> plast screen printing, inkjet-printing and punch plate; ideal base plate for all artwork, modelling and prop work, fill-in platte for mobile expo displays and framing elements, base plate for passeportout presentation and general support.
<b>panel construction:</b>	sandwich–element with PUR–rigiid foam core, with plastic-coated cellucarton covering layers (primer-finished)
<b>behaviour in external conditions:</b>	The sheet is not flame retardant. The Foam shows no waterabsorption, only in cut cells. The layer is not resistant against water/humidity.
<b>chemical effects:</b>	The foam is resistant against solvents and glues which contain toluol, please make trials. The layer is resistant against glues and inks
<b>behaviour against thermal effects:</b>	Sheet processing temperature continuous $T_d = -20$ up to $100$ shortterm $T_k =$ up to $160$ °C
<b>additional compliance to following standards:</b>	Certificate ISO 9001:2000 Certificate ISO 14001:2004 OHSAS 18001:1999 Development, manufacturing and sales of lightweightboards and PUR-forming parts DIN EN 7107.89 Security of toys

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Technical Data and Tolerances

<b>attribute</b>	<b>value</b>				<b>tolerance</b>	<b>unit</b>	<b>method</b>
<b>thickness</b>	3,0	5,0	10,0	15,0	± 0,6	mm	KAPA-Meth.
<b>density</b>	60,0	55,0	50,0	46,0	± 5	kg/m <sup>3</sup>	KAPA-Meth.
<b>weight per unit area</b>	720	810	1040	1230	-	g/m <sup>2</sup>	KAPA-Meth.
<b>fire certification</b>	B 3					-	DIN 4102
<b>compression strength 10% compression set</b>	~ 0,09	~ 0,20	~ 0,46	~ 0,46	-	N/mm <sup>2</sup>	DIN 53421
<b>memory effect 10% compression set</b>	~ 100	~ 99	~ 98	~ 97	-	%	DIN 53421
<b>elastic modulus (E-Modul)</b>	~ 3,7	~ 5,8	~ 9,4	~ 12,1	-	N/mm <sup>2</sup>	DIN 53421
<b>bending strength</b>	~ 9,2	~ 5,2	~ 3,0	~ 2,5	-	N/mm <sup>2</sup>	DIN 53423
<b>closed cell structure</b>	> 95					%	KAPA-Meth.
<b>hot extract. ph-value after aging</b>	6,4 6,1					-	DIN 53124
<b>CIE lab value</b>	L 95,29 (a=-0,16 b=+1,08)					-	MINOLTA

**Packaging Units**

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

Further information: [www.alcankapa.com](http://www.alcankapa.com)

All data are based on our current knowledge and experience. They are considered as a reference without being legally binding. July 2007