

Technical Datasheet/ Issue 02/06 / Replaces Issue 01/02

Characteristics

application:	KAPA [®] graph white basic board for design work, modelling, handicraft and hobby, back board for pictures and passe-partout board, presentation and carrier board.
panel construction:	sandwich – element with PUR – rigid foam core, fine cellulose
behaviour in external conditions:	The board is not flame retardant. The foam shows no waterabsorbtion, only in cut cells. The layer is not resistant against water/humidity.
chemical effects:	The foam is resistant against solvents and glues which contain toluol, please make trials. The layer is resistant against glues and inks.
behaviour against thermal effects:	Sheet processing temperature continuous $T_d = -20$ up to 100 shortterm $T_k =$ up to 160 °C
additional compliance to following standards:	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

attribute	value			tolerance	unit	method
thickness	3,0	5,0	10,0	± 0,6	mm	KAPA-Meth.
density	45	45	45	± 5	kg/m ³	KAPA-Meth.
weight per unit area	580	670	900	-	g/m ²	KAPA-Meth.
fire certification	B3			-	-	DIN 4102
compression strength 10% compression set	~ 0,04	~ 0, 10	~ 0,28	-	N/mm ²	DIN 53421
memory effect 10% compression set	~ 100	~ 99	~ 99	-	%	DIN 53421
elastic modulus (E-Modul)	~ 1,4	~ 2,1	~ 4,5	-	N/mm ²	DIN 53421
bending strength	~ 5,0	~ 3,4	~ 1,6	-	N/mm ²	DIN 53423
closed cell structure	> 95			-	%	KAPA-Meth.
hot extract. ph-value after aging	6,6 6,6			-	-	DIN 53124
CIE lab-value	L 90,86 (a=+0,53 b=+1,52)			-	-	MINOLTA

Packaging Units

thickness in mm	3	5	10	tolerance	right angle
sizes in mm	sheets per box				
500 x 700	40	24	12	± 1 mm	± 1 mm/m
1000 x 700	40	24	12	± 1 mm	
1000 x 1400	40	24	12	± 1 mm	

Further information: www.alcankapa.com

All data are based on our current knowledge and experience. They are considered as a reference without being legally binding. February 2006