

Technical Datasheet/ Issue 02/06 / Replaces Issue 08/04

Characteristics

application:	KAPA® line 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-sheet covering layers
behaviour in external conditions:	The sheet is not flame retardant. The foam shows no waterabsorption, only in cut cells. The layer is not resistant against water/humidity.
chemical effects:	The foam is resistant against solvents and glues which contains 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	15,0	20,0	± 0,6	mm	KAPA-Meth.
density	55	47	45	46	43	± 5	kg/m ³	KAPA-Meth.
weight per unit area	570	635	850	1090	1260	-	g/m ²	KAPA-Meth.
fire certification	B 3						-	DIN 4102
compression strength 10% compression set	~ 0,10	~ 0,13	~ 0,40	~ 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	~ 2,5	~ 4,5	~ 5,3	~ 7,4	-	N/mm ²	DIN 53421
bending strength	~ 7,4	~ 4,4	~ 2,4	~ 2,3	~ 1,9	-	N/mm ²	DIN 53423
closed cell structure	> 95						%	KAPA-Meth.
hot extract. ph-value after aging	8,1 7,9					-	-	DIN 53124
CIE lab-value	L 90,86 (a=+0,53 b=+1,52)					-	-	MINOLTA

Packaging Units

thickness in mm	3	5	10	15	20	tolerance	right angle
sices in mm	sheets per box						
500 x 700	40	24	12	-	-	± 1 mm	± 1 mm/m
1000 x 700	40	24	12	8	-	± 1 mm	
1000 x 1400	40	24	12	8	-	-1 + 10mm	
3000 x 1400	-	18	12	8	6	-1 + 10mm	
3050 x 1530	-	16	8	-	-	-1 + 10mm	

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