

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

Characteristics

application:	KAPA® color base plate for all creative work, modelling and presentation plate; base plate for passepartout and presentation use
panel construction:	sandwich–element with PUR–rigid foam core, plastic-coated cellucarton covering layers (bicolor versions)
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 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 shorttterm $T_k =$ 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	± 0,6	mm	KAPA-Meth.
density	60	55	± 3	kg/m ³	KAPA-Meth.
weight per unit area	775	870	-	g/m ²	KAPA-Meth.
compression strength 10% compression set	~ 0,08	~ 0,19	-	N/mm ²	DIN 53421
memory effect 10% compression set	~ 100	~ 98	-	%	DIN 53421
elastic modulus (E-Modul)	~ 2,85	~ 5,82	-	N/mm ²	DIN 53421
bending strength	~ 9,32	~ 4,97	-	N/mm ²	DIN 53423
closed cells structure	> 95			%	KAPA-Meth.
hot extract. Ph-value after aging	6,1 6,4			-	DIN 53124

Packaging Units

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