

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

Characteristics:

application:	KAPA [®] graph black is a basic board for design work, modelling, handicraft and hobby, for pictures (board) passe-partouts and presentations.
panel construction:	sandwich–element with PUR–rigid foam core, fine handmade-paper
behaviour in external conditions:	The board is not flame retardant. The foam shows no water absorption, only in cut cells. The layer is not 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-formed parts

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



Technical Datasheet / Issue 08/11 / Replaces Issue 01/08

Technical Data an Tolerances:

attribute	value	tolerance	unit	method
thickness	5,0	$\pm 0,6$	mm	KAPA-Meth.
density	50	± 5	kg/m ³	KAPA-Meth.
weight per unit area	690	-	g/m ²	KAPA-Meth.
compression strength 10% compression set	~ 0,11	-	N/mm ²	DIN 53421
memory effect 10% compression set	~ 96	-	%	DIN 53421
elastic modulus (E-Modul)	~ 2,6	-	N/mm ²	DIN 53421
bending strength	~ 4,50	-	N/mm ²	DIN 53423
closed cell structure	> 95	-	%	KAPA-Meth.
ph-value	8,2 (acid-free)	-		DIN 53124

* IPI Rochester

Packaging Units:

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

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



3A Composites GmbH
Kiefernweg 10
49090 Osnabrück, Germany
display.eu@3AComposites.com
www.display.3AComposites.com