

# KAPA<sup>®</sup>

## KAPA graph

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

#### Characteristics:

<b>application:</b>	KAPA <sup>®</sup> graph black is a basic board for design work, modelling, handicraft and hobby, for pictures (board) passe-partouts and presentations.
<b>panel construction:</b>	sandwich–element with PUR–rigid foam core, fine handmade-paper
<b>behaviour in external conditions:</b>	The board is not flame retardant. The foam shows no water absorption, only in cut cells. The layer is not resistant against water/humidity.
<b>chemical effects:</b>	The foam is resistant against solvents and glues. For glues with toluol please make trials. The layer is resistant against glues and inks.
<b>behaviour against thermal effects:</b>	Sheet processing temperature continuous $T_d = -20^{\circ}\text{C}$ up to $100^{\circ}\text{C}$ short-term $T_k =$ up to $160^{\circ}\text{C}$
<b>additional compliance to following standards:</b>	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.



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

**Technical Data an Tolerances:**

attribute	value	tolerance	unit	method
thickness	5,0	± 0,6	mm	KAPA-Meth.
density	50	± 5	kg/m <sup>3</sup>	KAPA-Meth.
weight per unit area	690	-	g/m <sup>2</sup>	KAPA-Meth.
compression strength 10% compression set	~ 0,11	-	N/mm <sup>2</sup>	DIN 53421
memory effect 10% compression set	~ 96	-	%	DIN 53421
elastic modulus (E-Modul)	~ 2,6	-	N/mm <sup>2</sup>	DIN 53421
bending strength	~ 4,50	-	N/mm <sup>2</sup>	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

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