KAPA® GRAPH

KAPA graph

CHARACTERISTICS

Application	KAPA®graph is a basic board for design work, modelling, handicrafts and hobby, for pictures (board) passe-partouts and presentations.
Sheet construction	KAPA®graph white: sandwich–element with white PUR–rigid foam core, fine cellulose white layers. KAPA®graph black:sandwich–element with black PUR–rigid foam core, fine premium-quality black layer
Behaviour in external conditions	The board is not flame retardant. The foam shows no water absorption, only the cut cells. The layer is not resistant against water/humidity.
Chemical effects	The foam is resistant against nearly all solvents and glues. For glues with toluol please make trials. The layers can be processed with standard glues and inks.
Behaviour against thermal effects	Sheet processing temperature Continuous Td = -20°C up to 100°C Short-term Tk = up to 160°C
Additional compliance to following standards	DIN ISO 9001:2008 DIN ISO 14001:2004 BS OHSAS 18001:2007 (Development, manufacturing and sales of lightweight boards and PUR-forming parts)

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KAPA® GRAPH WHITE

KAPA graph

Technical Data:

Attribute	Value			Tolerance	Unit	Method
Thickness	3	5	10	± 0,6	mm	KAPA-Meth.
Density	55	55	50	± 3	kg/m³	KAPA-Meth.
Weight per unit area	605	715	940		g/m²	KAPA-Meth.
Fire classification		B3			-	DIN 4102
Compression strength 10% compression set	~ 0,1	~ 0,25	~0,37		N/mm²	DIN 53421
Memory effect 10% compression set	~ 100	~ 99	99		%	DIN 53421
Elastic modulus (E-Modul)	~2,2	~ 3,2	~ 5,0		N/mm²	DIN 53421
Bending strength	~ 8,1	~ 4,5	~ 2,5		N/mm²	DIN 53423
Closed cell structure		> 95			-	KAPA-Meth.
PAT* (Photographic Activity Test)		passed				ISO 18916
pH- value		8,1 (acid-free)				DIN 53124
CIE lab value (approx. values)		L 97(a=-0,2 b=+1,8)			-	MINOLTA

* IPI Rochester

For available sizes please see delivery programme.

Tolerances		
Width		± 1 mm
Length	< 2400	± 1 mm
	> 2400	- 1 + 10 mm
Right angle		± 1 mm / m

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

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KAPA® GRAPH BLACK

KAPA graph

Technical Data:

Attribute	Value	Tolerance	Unit	Method
Thickness	5	± 0,6	mm	KAPA-Meth.
Density	50	± 3	kg/m³	KAPA-Meth.
Weight per unit area	730		g/m²	KAPA-Meth.
Fire classification	B3		-	DIN 4102
Compression strength 10% compression set	~ 0,3		N/mm²	DIN 53421
Memory effect 10% compression set	~ 97		%	DIN 53421
Elastic modulus (E-Modul)	~ 4,0		N/mm²	DIN 53421
Bending strength	~ 4,7		N/mm²	DIN 53423
Closed cell structure	> 95		-	KAPA-Meth.
pH- value	8,2 (acid-free)			DIN 53124

For available sizes please see delivery programme.

Tolerances		
Width		± 1 mm
Length	< 2400	± 1 mm
	> 2400	- 1 + 10 mm
Right angle		± 1 mm / m

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