

## TECHNICAL DATA SHEET

### KAPA® LINE

DIMENSIONS AND WEIGHT							
Thickness		mm	3	5	10	15	20
Weight per unit area	EN 29073-1	g/m <sup>2</sup>	506	582	798	1037	1268
Sheet sizes		mm	As per delivery programme				
Sheet width tolerance		mm	± 1				
Sheet length tolerance		mm	± 1 – 10				
Sheet thickness tolerance		mm	± 0,6				
Weight per unit area tolerance		g/m <sup>2</sup>	± 10				
Tolerance in right angle		mm/m	± 1				
CORE							
Rigid foam			Polyurethane natural-coloured				
Closed cell structure		%	>92				
SURFACE							
Layers			coated folding boxboard				
Colour value	CIELAB		L* = 91,5   a* = 0,83   b* = 2,9				
TECHNOLOGICAL VALUES							
Compression strength at 10% compression	EN ISO 844	MPa	0,09	0,17	0,39	0,48	0,40
Compressive modulus	EN ISO 844	MPa	0,79	2,04	5,57	8,89	7,89
Bending strength	EN 310	N/mm <sup>2</sup>	4,87	4,27	2,29	1,55	1,20
pH-value	ISO 6588		8,1 (Neutral = 7)				
THERMAL PERFORMANCE							
Processing temperature	Continuous	°C	-20 up to 100				
Processing temperature	Short-term	°C	Up to 160				

Note: The technical data provided here refers to standard values. Actual measured values may vary slightly due to production factors. 3A Composites does not guarantee the accuracy of the data provided and disclaims liability for damages resulting from its use. Values were determined in accordance with the above-mentioned standards, valid at the time of testing.

**PRODUCT INFORMATION****KAPA® LINE**

**Lightweight board with layers from coated folding boxboard. KAPA® line shows excellent flatness and good dimensional stability combined with high rigidity.**

**Product applications**

- POS/POP Advertising displays.
- Base plate for modelling and presentation.
- Classic decoration, screen printing and punching / die cutting-plate.

**Product properties**

- Suitable for manual and industrial cutting.
- The foam is resistant against nearly all solvents and glues.
- The layers can be processed with standard glues and inks.
- High heat and thermal resistance up to 160 °C (p olystyrene starts to melt at 75 °C).

**Behaviour in external conditions**

- The board is not flame-retardant.
- The foam shows no water absorption.
- The covering layers are sensitive to moisture (only for indoor applications).

**Storage – Transport – Handling**

- KAPA® line boards must be stored flat and protected from moisture and cold.
- Before processing, the boards require 24 hours to acclimatise to the processing environment.
- In order to avoid soiling surfaces, clean white cotton gloves should be worn.
- The used raw materials comply with the REACH regulation.
- In the context of the intended application, KAPA® line sheets are non-hazardous for humans and environment.
- KAPA® line sheets and the cutting waste must be disposed of in accordance with local legislation.

**Availability**

- Please see our delivery programme for details.

**Additional KAPA® documentation**

- Product guide
- Safety data sheet
- Delivery programme
- Processing information
- Quality management certification:  
DIN ISO 9001:2015, DIN ISO 14001:2015, DIN ISO 45001:2018, DIN ISO 50001:2018
- REACH compliance documents