

TECHNICAL DATA SHEET

KAPA®PLAST

DIMENSIONS AND WEIGHT

Thickness		mm		3	5	10	15	19
Weight per unit area	EN 29073-1	g/m ²		745	845	1070	1245	1450
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 ²	± 10					
Tolerance in right angle		mm/m	± 1					

CORE

Rigid foam			Polyurethane grey or white					
Closed cell structure		%	>92					

SURFACE

Layers			plastic-coated paperboard with primer finish					
Colour value	CIELAB		L* = 95,5 a* = -0,41 b* = +1.02					

TECHNOLOGICAL VALUES

Compression strength at 10% compression	EN ISO 844	MPa	White	-----	0,40	0,40	-----	0,30
			Grey	0,40	0,40	0,39	0,39	0,30
Compressive modulus	EN ISO 844	MPa	White	-----	7,21	7,01	-----	7,59
			Grey	5,58	7,88	7,97	16,27	7,59
Bending strength	EN 310	N/mm ²	White	-----	6,42	3,58	-----	1,67
			Grey	11,02	6,83	3,25	1,98	1,67
pH-value	ISO 6588		7,76 (Neutral = 7)					
PAT* (Photographic Activity Test)	ISO 18916		White	passed				
			Grey	passed				

THERMAL PERFORMANCE

Processing temperature	Continuous	°C	-20 bis 100					
Processing temperature	Short-term	°C	Up to 130					

*IPI Rochester

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®PLAST

Lightweight board with plastic-coated paperboard covering layers. The additional primer finish on the paper layers ensures perfect printing results. KAPA®plast offers an excellent flatness and shows good dimensional stability combined with high rigidity.

Product applications

- Premium printing substrate for direct digital printing.
- POS/POP Advertising displays.
- Base plate for modelling and presentation.
- 3-D logos / 3-D lettering.
- Exhibition construction, shop window decoration.

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 130 ° C (polystyrene starts to melt at 75 ° C).

Behaviour in external conditions

- The board is not flame-retardant.
- The foam shows no water absorption.
- The layers are insensitive to water/humidity and wipeable (suitable for short-term outdoor use).

Storage – Transport – Handling

- KAPA®plast 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®plast sheets are non-hazardous for humans and environment.
- KAPA®plast 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