



Technical Datasheet/ Issue 08/11 / Replaces Issue 02/06

Technical Data and Tolerances:

application:	GATORFOAM® is a product of the GATOR™ product range. An extremely rigid lightweight graphic arts composite panel with a hard smooth surface on both sides. Excellent for wall attachments and hanging applications (light weight, dimensional stability). Ensures high quality direct printing and mounting applications. Able to accept large format digital images. Adds depth and visual appeal to displays and signages.
panelconstruction:	Laminated sandwich-construction. Consists of an extruded polystyrene core laminated to two resin impregnated faces (proprietary technology).
Behaviour in external conditions:	The sheet 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 not resistant against solvents, glues containing solvents and holt-melt-adhesive. The layer is resistant against customary water-based and UV-curing inks, layer is not resistant against glues and inks containing solvents.
additional compliance to following standards:	Certificate ISO 9001:2008 Certificate ISO 14001:2004 OHSAS 18001:2007 Development, manufacturing and sales of lightweightboards and PUR-forming 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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attribute	value				tolerance	unit	method
thickness	5,0*	5,0**	10,0*	25,0*	± 0,6	mm	KAPA-Meth.
density	~ 30	~ 30	~ 30	~ 30	± 3	kg/m³	KAPA-Meth.
weight per unit area	1120	1120	1310	1885	-	g/m²	KAPA-Meth.
compression strength 10% compression set	~0,25	~0,21	~0,36	~0,35	-	N/mm²	DIN 53421
memory effect 10% compression set	~ 98	~98	~97	~95	-	%	DIN 53421
elastic modulus (E-Modul)	~ 4,6	~ 3,4	~7,9	~13,5	-	N/mm²	DIN 53421
bending strength	~11,5	~10,1	~4,1	~1,0	-	N/mm²	DIN 53423
CIE Lab value	L=91,88 (a=+0,92, b=-1,19)				-	-	MINOLTA

* bright, ** black

Packaging Units:

<i>thickness in mm</i>	5,0*	5,0**	10,0*	25,0*		
<i>sizes in mm</i>	<i>sheets pro Karton</i>				<i>tolerance</i>	<i>right angle</i>
1220 x 2440	15	15	15	6	± 1,5 mm	± 0,7 mm/m
1525 x 3050	10	-	10	-	± 1,5 mm	± 0,7 mm/m

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