

FOAM-X[®]

Product Datasheet / Issue 08/11 / Replaces Issue 08/06

Characteristics:

application:	FOAM-X [®] is a board for short-term indoor use and suitable for decorative applications, such as screen printing or die cutting
panel construction:	FOAM-X [®] is a sandwich–element with PUR–rigid foam and several layers of coated paper.
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 resistant against solvents and glues. For glues with toluol please make trials. The layer is resistant against glues and inks.
behaviour against thermal effects:	sheet processing temperature continuous $T_d = -20^{\circ}\text{C}$ up to 100°C short-term $T_k =$ up to 160°C
additional compliance to following standards:	Certificate DIN ISO 9001:2008 Certificate DIN ISO 14001:2004 OHSAS 18001:2007 Development, manufacturing and sales of lightweightboards 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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FOAM-X®

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

Technical Data and Tolerances:

attribute	value			tolerance	unit	method
thickness	3,0	5,0	10,0	± 0,6	mm	KAPA-Meth.
density	50,0	44,0	42,0	± 3	kg/m ³	KAPA-Meth.
weight per unit area	510	580	780	-	g/m ²	KAPA-Meth.
compression strength 10% compression set	~0,08	~0,16	~0,37	-	N/mm ²	DIN 53421
memory effect 10% compression set	~95	~96	~97	-	%	DIN 53421
elastic modulus (E-Modul)	~1,5	~2,8	~5,7	-	N/mm ²	DIN 53421
bending strength	~4,1	~2,9	~1,7	-	N/mm ²	DIN 53423
closed cell structure	> 95			-	-	KAPA-Meth.
ph-value	8,8 (acid-free)			-	-	DIN 53124

Packaging units:

thickness in mm	3	5	10		
format in mm	sheets per unit			tolerance	right angle
500 x 700	40	24	12	± 1 mm	± 1 mm/m
1000 x 700	40	24	12	± 1 mm	± 1 mm/m
1000 x 1400	40	24	12	-1+10mm	± 1 mm/m
3000 x 1400	-	18	12	-1+10mm	± 1 mm/m
3050 x 1530	-	16	8	-1+10mm	± 1 mm/m

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