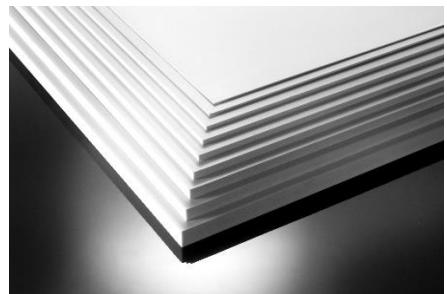


foamalux

FOAMALUX (FE) MATERIAL PROPERTIES



Typical Properties of foamed PVC sheet			
	Test Method		Value
	DIN	ISO	
Physical			
Base polymer			Polyvinyl Chloride (PVC)
Smell			Odourless
Moisture absorption (24 hrs @ 23°C)	DIN 53495		<0.25% by weight
Water solubility	DIN 53122		Insoluble
Oxygen index			49%
Mechanical			
Tensile strength at yield	DIN 53455	R 527	16MPa
Modulus of elasticity	DIN 53457	R 527	1000MPa
Elongation at break	DIN 53455	R 527	29%
Flexural strength	DIN 53452	178	25MPa
Impact resistance (Charpy test, un-notched)	DIN 53453	R179	15kJ/m ²
Shore hardness (3mm)	DIN 53505	868	>30
Thermal			
Vicat softening temperature	DIN 53460	306 (B/50)	76°C
Thermal conductivity, K	DIN 52612		0.085 W/m°C
Thermal decomposition temperature			>200°C
Thermal resistance, R (3mm)	CEN 492		0.20m ² K/W
Thermal expansion coefficient	DIN 53752		0.068mm/m°C
Service temperature range			-20 to +60°C
Sound			
Sound attenuation (3mm) (100-3500hz)			19dB

Product Liability Clause: Properties reported here are derived from resin data for the material used to produce this product. These are typical values measured on injection moulding samples and are not intended for specification purposes. Brett Martin makes no representation that the material in any particular shipment will conform exactly to the values given. Each user of the material should make his own tests to determine the material suitability for his own particular use. All information and technical assistance is given in good faith, without warranty or guarantee and is subject to change without notice. Our advice does not release you from the obligation to verify the information currently provided – especially that contained in our safety data and technical information sheets.



Brett Martin Ltd. pursues a policy of continuous product development and reserves the right to amend specifications without notice.

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