



foamalu_x

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

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

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