



vink passion for plastics

Vikubond



Tekniskt datablad

Panel Thickness	Standard	Unit	3mm
Thickness of Aluminium	DIN 1784	mm	0.3
Paint			Polyester
Aluminium thickness deviation	DIN 1784	mm	±0.02
Weight		Kg/m ²	4.3
Width (mm) Tolerances			±2
Length (mm) Tolerances			±3
Diagonal (mm) Tolerances			≤5
Technical Properties			
Section modulus W	DIN 53293	cm ³ /m	1.84
Rigidity (poission's ratio $\mu = 0.3$) E.J	DIN 53293	kNcm ² /m	0.32
Modulus of Elasticity	EN 1999 1-1	N/mm ²	70000
Tensile Strength of Aluminium	EN 485-2	N/mm ²	R _m 145-185
0.2% Proof Stress	EN 485-2	N/mm ²	R _{p0.2} 110-175
Elongation	EN 485-2	%	A ₅₀ ≥ 3
Linear Thermal Expansion	EN 1999 1-1	mm/m °C	2.4 at 100°C Temp difference
Gloss (initial value)	ECCA T2	%	30-60 based on requirement
Pencil Hardness	ECCA T4		2H
Thermal Resistance R	DIN 52612	m ² K/W	0.0113
Heat Transition Coefficient	U DIN 4108	W/m ² K	5.48
Temperature Range		°C	-50...+80