

FIȘĂ TEHNICĂ BOND PE

Panel Thickness	Standard	Unit	3mm
Thickness of Aluminium	DIN 1784	mm	0.15mm-0,3mm
Aluminum thickness deviation	DIN 1784	mm	±0.01
Weight		Kg/m ²	4.1 - 4.65
Tolerance in length	DIN 16927 / ISO 11833-1	mm	-1/+3
Tolerance in width	DIN 16927 / ISO 11833-1	mm	-0/+1.5
Tolerance in thickness	DIN 16927 / ISO 11833-1	mm	±0.15
Dimensions			1500x3000mm; 1500x4000mm
Horizontal flatness	DIN ISO 1101	mm	6
Longitudinal roughness	DIN ISO 1101	mm	7
Technical Properties			
Section Modulus W	DIN 53293	cm ³ /m	1.25
Rigidity (Poisson's	DIN 53293	kNm ² /m	0.14
Alloy	EN 573-3	ENAW	1100
Temper of Cover Sheets	EN 515		H16/H18
Modulus of Elasticity	EN 1999 1-1	N/mm ²	70,000
Tensile Strength of Aluminium	EN 485-2	N/mm ²	Rm≥145
0.2% Proof Stress	EN 485-2	N/mm ²	Rp0.2≥100
Elongation	EN 485-2	%	A50≥2
Linear Thermal Expansion	EN 1999 1-1	mm/m/°C	2.4at 100°CTemp difference
Core			
Polyethylene, Typ LD-PE		g/cm ³	0.935
Surface		Coil Coating	
Lacquering			Fluorocarbon based(PE)
Thickness of coating		μm	two coating : ≥26, three coating : ≥32
Gloss (initial value)	ECCA T2	%	30-80
Pencil Hardness	ECCA T4		H
Acoustical Properties			
Sound Absorption Factor α _s	ISO 354		0.05
Sound Transmission Loss R _w	ISO 717-1	DB	25
Loss Factor d	EN ISO 6721		0.0072
Thermal Properties			
Thermal Resistance R	DIN 52612	m ² K/W	0.0069
Heat Transition Coefficient U	DIN 4108	W/m ² K	5.65
Temperature Range		°C	-50 to +80