

Technical Data Sheet

Panel Thickness	1.2		2.0	mm
Aluminium Layers	0.2		0.2	mm
Alloy (EN 485-2)	EN AW-5182 AlMg 4.5 Mn 0.4			
Hardness of aluminium layers	hard (full hard H18)			
Core Material	Polypropylene PP			
Panel Weight	1.8		2.5	kg/m ²
Thickness Tolerance (EN 485-4)	± 0.09		± 0.12	mm
Mechanical Properties				
Modulus of Elasticity	70.000			N/mm ²
Yield Strength	≥ 320		≥ 320	N/mm ²
Tensile Strength	≥ 380		≥ 380	N/mm ²
Section Modulus	0.2		0.36	cm ³ /m
Rigidity (incl.transversal contraction)	80		230	kNcm ² /m
Ultimate Elongation	4		4	%
Thermal Properties				
Range of Temperature	- 30 bis + 120			°C
Temporary Temperature (up to 30 minutes)	+ 150			°C
	adequate to powder or immersion coating			
Flash Point of Core (DIN 54836)	300			°C
Thermal Expansion Coefficient	24 x 10 ⁻⁶			1/K
Thermal Resistance (EN ISO 6946)	0.0036		0.0073	m ² K/W
Acoustical Properties	Anti-noise compound better structure-borne noise properties in comparison with solid metal sheets			
Electrical Properties				
Current Flow Resistance of Core (DIN 53 482)	> 10 ¹⁶			Ωcm
Breakdown Voltage of Core (DIN 53 481, DIN VDE 0303 T21E)	> 35 ... 40			kV/mm
Delivery Conditions				
Panel Sizes (standard)	1540 x 3000			mm
Width Tolerance (EN 485-4)	0 / + 4			mm
Length Tolerance (EN 485-4)	0 / + 6			mm
Surface (optional)	mill finish			
Lacquer (standard)	clear coat			
Protection (standard)	self-adhesive PE foil			

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