

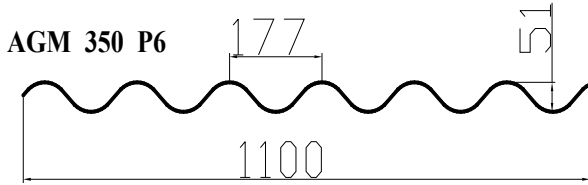
FIBRALAM® FRP CORRUGATED PANELS

TECHNICAL DATA SHEET

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Product Description : FIBRALAM® FRP SINUS BLUISH TRANSLUCENT 177 51 CL3

Production technology: Continuous lamination line, the polymerization process.



TECHNICAL SPECIFICATIONS

Properties		Unit	Test Method	Value - Tolerance
Physical	Surface Properties - Top Surface		POLSER	MUV (PET film)
	Profile code 1008 - 177/51		POLSER	Dimensional tol. %10
	Thickness	mm	Universal	1,3 ± %10
	Color		EN 1013	Special Bluish Translucent
	Optical - Light Transmission %	EN ISO 13468-2	EN ISO 2813	min. %85
	Weight	kg/m ²	Universal	1,75 ±10%
	Glass Fiber Content	%	ISO 1172	25 - 30
	Density	g/cm ³	ISO 1183-1A	1,4 - 1,5
	Water Absorption	%	ISO 62	max. 0,4%
	Flame Resistance	class	NF P 92-501	M4
UV Resistance	ASTM G154 cycle2 QUVA 340 lamp irradiance 0,71 Wm ² 60°C 4h, condensation 50°C 4h		EN ISO 16474-3	At the end of 1000 hours of test ΔE must be lower than 15 (ΔE ≤15)
Thermal	Term Service Temperature	°C	ISO 75	- 40 + 120
	Thermal Conductivity	W/mK°	DIN 51046	0,22 - 0,26
	Coeff. of Thermal Expansion ()	m/m/°C	ISO 11359-2	26,6
Mechanical	Barcol Hardness	barcol	EN 59	min. 40
	Tensile strength	Mpa	EN 527	75 - 95
	Tensile e-modulus	Mpa	EN 527	5000 - 6500
	Flexural strength	Mpa	EN 14125	85 - 105
	Flexural e-modules	Mpa	EN 14125	6000 - 8000

