



architectural systems

Panel Piedra Test Data

DENSITY			
Density of Panel	UNE EN 1602	Kg/m ³ (lb/in ³)	700 - 800 (0.025 - 0.03)
Density of Polyurethane	UNE EN 1602	Kg/m ³ (lb/in ³)	300 - 350 (0.011 - 0.013)
Dimensional Stability	-30° C (-22° F)	% Vol	< 0.5
24 hours	+90° C (+194° F)	% Vol	< 1.0
Fire Resistance	AS TM 84 UNE EN 2327 EURO CLASE	CLASS CLASS CLASS	B M-1 B S3 D1
Thermal Conductivity Coefficient	UNE EN 92202	W/m K	0.022
10° C (50° F) Initial			
Glue Loss of Fiber-Plated Plastics	DIN 53395	%	0.9
MECHANICAL STRENGTH			
Tensile Strength	ISO 527	MPa (PSI)	97 (14,000)
Flexural Strength	ISO 178	MPa (PSI)	250 (36,000)
Elastic Modulus	ISO 178	MPa (PSI)	9750 (1,410,000)
Heat Deflection Temperature Under Load	ISO 75 A	°C (°F)	90° (194°)
Shore Hardness	DIN53505	%	60
Rebound Resilience	DIN53573	%	50
Compression Strength	UNE EN 826	KPA (PSI)	200 - 250 (29 - 36)
10% Deformation			
DIELECTRIC PROPERTIES			
Relative Permittivity	20° C (68° F)	1,000 Cycles	2.2
Dielectric Strength	23° C (73.5° F)		150 - 200
Power Factor		1,000 Cycles	0.02
Electrical Resistance		Ohms / cm	1.18 x 10 ¹³
RESISTANCE TO THE OUTDOORS			
Salt Spray Test	Sodium Chloride Water 5.0 ± 0.5%	Temperature 35° / -2° C (95° / 28.4° F)	2,000 Hours OK
Accelerated Fading Resistance	Ultraviolet Light	2,000 Hours	No Wiring
Lamps U VB 313	Temp. +50° / 3° C (122° / 37.4° F)		No Loss of Gloss