

TECHNICAL DATA SHEET



ULTRA LIGHT



NOISE ABSORPTION



HEAT CONDUCTIVITY



ECO FRIENDLY



IMPACT ABSORPTION



NON-FLAMMABLE



SN	Properties	Test Methods	Unit	Test Results
Physical Characteristics				
1	Average Density		g/cm3	0.2- 0.5
2	Thickness of Panels (range)		mm	6 to 70
3	Dimensions of the Panels (std)		mm	1200 x 600
Mechanical Characteristics				
4	Compressive Strength at 10% Deflection	ASTM D1621	Mpa	0.592 – 0.624
5	Tensile Strength	ASTM D1623	Mpa	0.30 – 1.60
Fire Characteristics				
6	Fire Behaviour			Class A1
7	Surface Burning Characteristics:			
7.a	Flame Spread Index (FSI)	ASTM E84		0
7.b	Smoke Developed Index (SDI)	ASTM E84		5
7.c	Criteria Class	UNE-EN ISO 1182:2011		A1
Acoustic Characteristics				
8	Acoustic Insulation /noise reduction		dB	14dB (20mm thk) 23dB (40mm thk)
9	Sound Absorption (NRC)	ASTM C 423 2009a ISO 354.2003	%	65% (9 mm thk)
Thermal Characteristics				
10.a	Heat / Thermal Conductivity (K)		W/m.k	2.612
10.b	Thermal Resistance		m ² .k/w	0.038
Additional Characteristics				
11	Material Composition / Alloy		%	97.0% Aluminum
12	Material Recyclability		%	100% (Non-toxic)