

## Zintl Technical Data Sheet

Properties	Units	Values
Alloy		6063
Temper		T5
Standard Thickness	mm	1.4mm to 2.2mm
Painted Weight	kg/m <sup>2</sup>	0.642kg/m to 1.575kg/m
Raw Density	kg/m <sup>3</sup>	2700
Young's Modulus ( E )	GPa	68.3
Tensile Strength (25°C)	MPa	220
Yield Strength (25°C)	MPa	180
Shear Strength	MPa	117
Fatigue Strength	MPa	69
Elastic Modulus	MPa	69
0.2% Proof Stress	MPa	>170
Elongation	%	12
Linear Thermal Expansion		2.4mm/m at 100°C temperature difference
Melting Range	°C	630-660
Electrical Conductivity (Equal Volume)	MS/m	32
Electrical Conductivity (Equal Mass)	MS/m	105
Thermal Conductivity	W/m.K	201-218
Sound Absorption Factor	NCR	0.05
Sound Reflection	%	95

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