

Aluminium - 1050 H14

Shate

Properties

Stock		Chemical Properties	
Size (mm)	Weight/Sheet (Kg)	Element	Chemical Composition (%)
2500 x 1250 x 4.0	33.90	Manganese (Mn)	0.0 - 0.05
3000 x 1500 x 4.0	49.28	Iron (Fe)	0.0 - 0.40
2500 x 1250 x 5.0	42.30	Copper (Cu)	0.0 - 0.05
2000 x 1000 x 6.0	32.82	Magnesium (Mg)	0.0 - 0.05
2500 x 1250 x 6.0	50.80	Silicon (Si)	0.0 - 0.25
3000 x 1500 x 6.0	73.92	Zinc (Zn)	0.0 - 0.07
		Titanium (Ti)	0.0 - 0.05
		Aluminium (Al)	Balance

Mechanical Properties	
Property	Value
Proof Stress	85 MPa
Tensile Strength	100 MPa
Elongation	12%
Shear Strength	60 MPa
Hardness Vickers	30 HV

Physical Properties	
Property	Value
Density	2.71 g/cm ³
Melting Point	650°C
Thermal Expansion	24 x 10 ⁻⁶ /K
Modulus of Elasticity	71 GPa
Thermal Conductivity	222 W/m.k
Electrical Resistivity	0.0282 x 10 ⁻⁶ Ω.m

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