

5251 H22

Chemical Properties

Element	Chemical Composition %
Manganese (Mn)	0.10 - 0.50
Iron (Fe)	0.50 max
Copper (Cu)	0.15 max
Magnesium (Mg)	1.70 - 2.40
Silicon (Si)	0.40 max
Zinc (Zn)	0.15 max
Chromium (Cr)	0.15 max
Titanium (Ti)	0.15 max
Aluminium (Al)	Balance

Mechanical Properties

Property	Value
Proof Stress	165 MPa
Tensile Strength	210 MPa
Elongation	14%
Shear Strength	125 MPa
Hardness Vickers	65 HV

Physical Properties

Property	Value
Density	2.69 g/cm ³
Melting Point	625°C
Thermal Expansion	25 x 10 ⁻⁶ /K
Modulus of Elasticity	70 GPa
Thermal Conductivity	134 W/m.k
Electrical Resistivity	0.044 x 10 ⁻⁶ Ω.m

Product Forms

Shate

Standard Sheet

Disclaimer

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