

# Aluminium - 5052 H32

## Triplegrip Treadplate (ATG)

## Properties

Stock		Chemical Properties	
Size (mm)	Weight/Sheet (Kg)	Element	Chemical composition %
2500 x 1250 x 1.5	13.88	Manganese (Mn)	0.0 - 0.10
2500 x 1250 x 2.0	18.13	Iron (Fe)	0.0 - 0.40
2500 x 1250 x 3.0	26.10	Copper (Cu)	0.0 - 0.10
		Magnesium (Mg)	2.20 - 2.80
		Silicon (Si)	0.0 - 0.25
		Zinc (Zn)	0.0 - 0.10
		Titanium (Ti)	0.15 max
		Aluminium (Al)	Balance

  

Mechanical Properties	
Property	Value
Compressive Strength	175 MPa
Tensile Strength	210 MPa
Elongation	14%
Shear Strength	135 MPa
Hardness Vickers	70 HV

  

Physical Properties	
Property	Value
Density	2.68 g/cm <sup>3</sup>
Melting Point	605°C
Thermal Expansion	23.7 x 10 <sup>-6</sup> /K
Modulus of Elasticity	70 GPa
Thermal Conductivity	138 W/m.K
Electrical Resistivity	0.0495 x 10 <sup>-6</sup> Ω.m

## Disclaimer

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