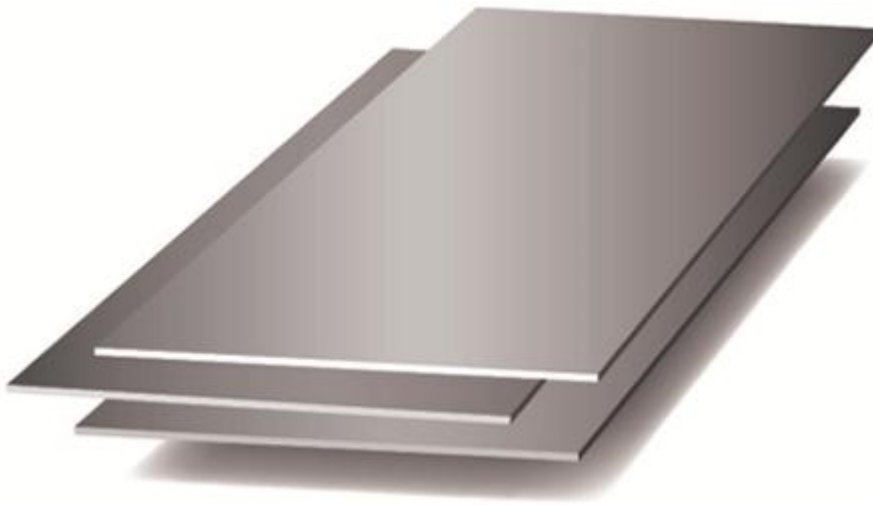




## 5052-H32 Aluminum Alloy Sheet

Aluminum alloy 5052 in H32 temper has very good corrosion resistance to seawater and marine and industrial atmosphere. It also has very good weldability and good cold formability. It is a medium to high strength alloy with a strength slightly higher than 5251 and a medium to high fatigue strength.



**SKU: [MCH-1003](#)**

### **Alloy 5052-H32 has a range of useful properties:**

- Density: 2.68g/cm<sup>3</sup>.
- Melting Point: 605°C.
- Thermal Expansion: 23.7×10<sup>-6</sup>/K.
- Modulus of Elasticity: 70GPa.
- Thermal Conductivity: 138W/m.K.
- Electrical Resistivity: 0.0495 x10<sup>-6</sup> Ω.m
- Proof Stress: 130 Min MPa.
- Tensile Strength: 210~260 MPa.
- Hardness Brinell: 61HB.

## Alloy 5052 Chemical Composition:

*BS EN 573-3:2009*  
*Alloy 5052*

Element	% Present
Magnesium (Mg)	2.20 - 2.80
Chromium (Cr)	0.15 - 0.35
Iron (Fe)	0.0 - 0.40
Silicon (Si)	0.0 - 0.25
Others (Total)	0.0 - 0.15
Copper (Cu)	0.0 - 0.10
Zinc (Zn)	0.0 - 0.10
Manganese (Mn)	0.0 - 0.10
Other (Each)	0.0 - 0.05
Aluminium (Al)	Balance



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