

Aluminum (7000 Series)

Sheets



Material Designation	Chemical Composition (%)	Alloys																				
7000 Series	<table><tr><td>Al</td><td>91.5 - 95.4</td></tr><tr><td>Cu</td><td>0.10 Max</td></tr><tr><td>Fe</td><td>0.40 Max</td></tr><tr><td>Mg</td><td>1.2 - 1.8</td></tr><tr><td>Mn</td><td>0.2 - 0.7 Max</td></tr><tr><td>Si</td><td>0.35 Max</td></tr><tr><td>Zn</td><td>4.0 - 5.0 Max</td></tr></table>	Al	91.5 - 95.4	Cu	0.10 Max	Fe	0.40 Max	Mg	1.2 - 1.8	Mn	0.2 - 0.7 Max	Si	0.35 Max	Zn	4.0 - 5.0 Max	<table><tr><td>7007</td></tr><tr><td>7022</td></tr><tr><td>7039</td></tr><tr><td>7072</td></tr><tr><td>7075</td></tr><tr><td>7068</td></tr></table>	7007	7022	7039	7072	7075	7068
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Specification		Applications
Thickness	6 - 350 mm	Chemical, LNG Vessels Aviation Automobile Industry Stamping Parts Ship Body High Speed Trains
Width	450 – 3800 mm	
Length	500 – 15000 mm	
Inner Daimeter	-	
Outer Daimeter	-	
Tolerances	According to DIN, EN, ASME	
Elongation	5 - 25 %	
Tensiile Strength	100 - 400 Mpa	
Yield Strength	65 - 300 Mpa	

Description

7000 series commercial aluminium alloys utilises zinc as the major alloying element and when combined with a smaller amount of magnesium, the result is a heat-treatable alloy which offers very high strength. The corrosion resistance of the alloy is reduced due to the inclusion of zinc and magnesium, so copper is often introduced into the alloy to improve corrosion resistance. Applications for this range include critical parts used in the aerospace sector, automotive and sports equipment.

Value Proposition

- Competitive Pricing
- Flexible LME price fixation
- Product Customization
- Quality Assurance
- Committed to deliveries
- Standard export pallet packing

This data is general technical specification; Binding technical specifications will be as per agreement.