

Aluminum (2000 Series)

Sheets



Material Designation	Chemical Composition (%)	Alloys																				
2000 Series	<table><tr><td>Al</td><td>94.5 - 98.7</td></tr><tr><td>Cu</td><td>3.9 - 5.0</td></tr><tr><td>Fe</td><td>0.7 Max</td></tr><tr><td>Mg</td><td>0.2 - 0.8</td></tr><tr><td>Mn</td><td>0.4 - 1.2</td></tr><tr><td>Si</td><td>0.5 - 1.2</td></tr><tr><td>Zn</td><td>0.25 Max</td></tr></table>	Al	94.5 - 98.7	Cu	3.9 - 5.0	Fe	0.7 Max	Mg	0.2 - 0.8	Mn	0.4 - 1.2	Si	0.5 - 1.2	Zn	0.25 Max	<table><tr><td>2011, 2014</td></tr><tr><td>2017, 2024</td></tr><tr><td>2036, 2048</td></tr><tr><td>2090, 2091</td></tr><tr><td>2099, 2124</td></tr><tr><td>2195, 2219</td></tr></table>	2011, 2014	2017, 2024	2036, 2048	2090, 2091	2099, 2124	2195, 2219
Al	94.5 - 98.7																					
Cu	3.9 - 5.0																					
Fe	0.7 Max																					
Mg	0.2 - 0.8																					
Mn	0.4 - 1.2																					
Si	0.5 - 1.2																					
Zn	0.25 Max																					
2011, 2014																						
2017, 2024																						
2036, 2048																						
2090, 2091																						
2099, 2124																						
2195, 2219																						

Specification		Applications
Thickness	6 - 350 mm	Aerospace
Width	450 – 3800 mm	Aviation
Length	500 – 15000 mm	Tooling
Inner Daimeter	-	Automotive Components
Outer Daimeter	-	Machine Parts
Tolerances	According to DIN, EN, ASME	High Speed Trains
Elongation	5 - 25 %	
Tensiile Strength	100 - 400 Mpa	
Yield Strength	65 - 300 Mpa	

Description

Copper is used as the primary alloying element in 2000 series aluminium alloys. 2000 series aluminium alloys are used in many industries including the aerospace sector. The materials are well known for their high performance and excellent strength over a broad range of temperatures. Some alloys in our range are not weldable by arc welding processes due to susceptibility to stress corrosion cracking.

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.