

Aluminum (5000 Series)

Sheets



Material Designation	Chemical Composition (%)	Alloys
5000 Series	Al 95.8 - 99.4 Cu 0.10 Max Fe 0.40 Max Mg 1.2 - 4.8 Mn 0.1 Max Si 0.25 Max Zn 0.1 Max	5052 5083 5086 5454 5456 5754

Specification		Applications
Thickness 6 - 350 mm	Elongation 5 - 25 %	Chemical, LNG Vessels Aviation Automobile Industry Stamping Parts Ship Body High Speed Trains
Width 450 – 3800 mm	Tensiile Strength 100 - 400 Mpa	
Length 500 – 15000 mm	Yield Strength 65 - 300 Mpa	
Inner Daimeter -	-	
Outer Daimeter -	-	
Tolerances	According to DIN, EN, ASME	

Description

5000 series aluminium's are alloyed with magnesium. It is a readily weldable material used in a wide variety of applications including pressurised vessels, buildings and transport and automotive. Alloys containing greater than 3.0% magnesium content are not suitable for use in elevated temperature service as they are susceptible 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.