

Aluminum (1000 Series)

Sheets



| Material Designation | Chemical Composition (%) | Alloys |
|----------------------|--|--|
| 1000 Series | Al 99.00 - 99.99 Cu 0.05 Max Fe 0.35 Max Mg 0.03 Max Mn 0.03 Max Si 0.25 Max Zn 0.05 Max | 1050 1060 1100 1145 1199 1350 |

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

Description

The 1000 series represents the purest of all commercial aluminium alloys with a minimum 99% aluminium content. This series of aluminium alloys are chosen in fabrication practices primarily due to the materials corrosion resistance, this makes the alloy useful in applications such as pressurised vessels and chemical tanks. 1000 series aluminium alloys are weldable, however certain considerations should be made before welding due to the materials narrow melting range.

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.