



Rolling aluminum products alloys

| Alloy | Description | Application |
|-------|---|--|
| 3003 | 3003 is a medium strength alloy with very good resistance to atmospheric corrosion.It also has very good weldability and good cold formability.It is widely used for construction,chemical equipment including silos and also caravan sidings. | Transportation Construction Cooking utensils Sheet metal work Storage tanks Caravan sidings |
| 5005 | 5005 is a medium strength general purpose alloy with good weldability,good formability and good corrosion resistance.It is an extremely popular alloy and is the most commonly used grade of aluminum in sheet and plate form.suitable for decorative anodizing for architectural applications. | General sheet metal work Architectural applications-Cladding Furniture Packaging Ducting in eletrical cabinets |
| 5052 | 5052 is a medium strength alloy which has excellent corrosion resistance,particularly in marine atmospheres.It has good weldability,much stronger than 5005 and is widely used in the small boat market. | High strength sheet metal work Tiread plate Small boats Architectural paneling Road signs |

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|------|--|---|
| 5083 | 5083 is known for exceptional performance in extreme environments.5083 is resistant to attack by seawater and general industrial environments.It has the highest strength of the non-heat treatable alloys but is not recommended for use in temperatures in excess of 65 degrees. | Ship bulding Drilling rigs Rail cars Vehicle and tip truck bodies TV towers |
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Chemical composition table

| Alloy | Mg | Mn | Fe | Si | Cu | Zn | Cr | M n+ Cr | Ti | Others | Total other | Al |
|-------|---------------|---------------|-----------|-------|---------------|-------|---------------|---------------|-----------|--------|----------------|------|
| 1100 | | ≤0.05 | ≤0.95 | | 0.05- 0.20 | ≤0.10 | | | | ≤0.05 | ≤ 0.15 | Rem. |
| 3003 | | 1.00- 1.50 | ≤ 0.70 | ≤0.60 | 0.05- 0.20 | ≤0.10 | | | | ≤0.05 | ≤ 0.15 | Rem. |
| 5005 | 0.50- 1.10 | ≤0.20 | ≤ 0.70 | ≤0.30 | ≤0.20 | ≤0.25 | ≤0.10 | | | ≤0.05 | ≤ 0.15 | Rem. |
| 5052 | 2.20- 2.80 | ≤0.10 | ≤ 0.40 | ≤0.25 | ≤0.10 | ≤0.10 | 0.15- 0.35 | | | ≤0.05 | ≤ 0.15 | Rem. |
| 5083 | 4.00- 4.90 | 0.40- 1.00 | ≤ 0.40 | ≤0.40 | ≤0.10 | ≤0.25 | 0.05- 0.25 | | ≤ 0.15 | ≤0.05 | ≤ 0.15 | Rem. |