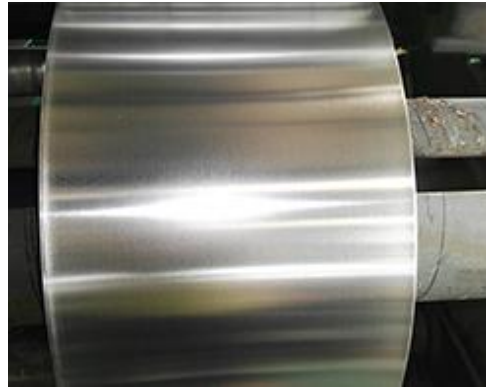


## 3003 Aluminum Coil

3003 Aluminum coil belongs to AL-Mn series alloy, which is a kind of anti-rust aluminum widely used, with high corrosion resistance. The proportion of manganese content can reach 1%, because the hardness of 3003 aluminum coil is very high. The strength of this alloy is not high (slightly higher than industrial pure aluminum), and it cannot be strengthened by heat treatment, so the cold working method is used to improve its mechanical properties it has high plasticity after annealing, and the plasticity is still good when semi-cold hardening. Low plasticity, good corrosion resistance and good weldability when cold work hardened, but poor machinability.



Low plasticity, good corrosion resistance and good weldability when cold work hardened, but poor machinability.

### Product Specification

<b>Alloy</b>	3003 Aluminum Coil
<b>Temper</b>	F,O,H12,H14,H16,H18,H19,H22,H24,H26,H28,etc.
<b>Thickness(mm)</b>	0.2-10
<b>Width(mm)</b>	100-2650
<b>Length(mm)</b>	C
<b>ID</b>	Ø505mm or customized
<b>Package</b>	Eye to sky or Eye to wall
<b>Surface</b>	Checkered aluminum coil, anti-slip aluminum coil, stucco embossed, anodized
<b>Clad material</b>	Aluminum core material and aluminum clad material, the core material



# HENAN FLAIT ALUMINUM CO., LTD.

*Flait Aluminum is committed to product R&D, production, sales and service.*

Email:sales@flait-aluminum.com

Whatsapp/Mobile: 86 13203837398

	is 3003, and the clad material is 4043 alloy, such as 4343+3003+4343
<b>Application</b>	Decoration, battery shell, insulation pipes, vehicles, etc.
<b>Sample</b>	Available

Chemical Composition												
Alloy	Si	Fe	Cu	Mn	Mg	Zn	Ti	Zr	Others		Cr	Al
3003	0.6 0	0.7 0	0.05-0.2 0	1.0-1.5	-	0.1 0	-	-	Singl e	Tota l	-	Balanc e
									0.05	0.15		

Mechanical Properties				
Alloy & Temper	Tensile strength Rm/Mpa	Yield strength Rp0.2/Mpa	Elongation (%)	Hardness HBWα
3003-H24	148-185	115	4	45

## Features

1. 3003 aluminum coil has good formability and good processing characteristics.
2. 3003 aluminum coil has high corrosion resistance and good weldability.
3. 3003 aluminum coil has good deep drawability and high plasticity.

## Application

3003 Aluminum coil is often used in mobile phone battery shell materials, lighting decorations, interior decoration, air-conditioning pipes, automobile fuel tanks, tanks, electrolytic capacitors,





## HENAN FLAIT ALUMINUM CO., LTD.

*Flait Aluminum is committed to product R&D, production, sales and service.*

Email:sales@flait-aluminum.com

Whatsapp/Mobile: 86 13203837398

---

refrigerators, air-conditioning ventilation pipes and other fields. This product has good rust resistance.

1. **Battery shell:** new energy vehicle power battery shell, top plate, separator, which can be stamped into a square or round battery shell.
2. **Water cooling plate:** 3003mod aluminum plate, 3003\*4343/3003\*4045 aluminum plate can be used for new energy vehicle power battery brazing water cooling plate or condensation/radiation equipment.
3. **Heat dissipation fins:** mostly used in heat dissipation equipment.
4. **Pipe insulation:** is mostly used in chemical factories, and its anti-rust function is better than that of 1 series aluminum coils.
5. **3003 Aluminum foil:** aluminum foil for honeycomb core, aluminum foil for lunch box, aluminum foil for container.

*The above mentioned aluminum product is produced according to national standard specifications. Please contact us for a free quote!*

-----THIS IS THE END-----

