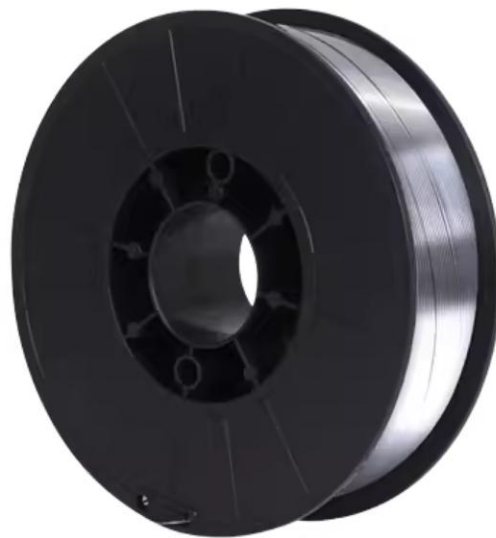


Used for welding 304/304L austenitic stainless steel, commonly used in food equipment, chemical containers, pipelines, architectural decoration, etc.

Applicable process: MIG/MAG welding (recommended mixed gas Ar + 1~2% O₂ or Ar + CO₂)

■ Features:

- Good corrosion resistance: Low carbon (L) design reduces the risk of intergranular corrosion.
- High weld quality: Silicon (Si) addition improves the fluidity of the molten pool, beautiful forming, and less spatter.
- Strong adaptability: Can weld slightly oxidized or thin plates (heat input needs to be controlled).
- Excellent mechanical properties: Match 304L base material, good ductility.



Chemical properties

Element	C	Cr	Ni	Mn	Si	P	S
Content	≤0.03	19.5-22	9-11	1.0-2.5	0.65-1	≤0.03	≤0.03

Material properties

Characteristics	Value/Description
Tensile strength	≥520 MPa (75 ksi)
Yield strength	≥210 MPa (30 ksi)
Elongation (gauge length 50mm)	≥35%
Impact toughness (-20°C)	≥100 J (Typical Value)
Electrical conductivity	≈2.5% IACS
Density	7.9 g/cm ³
Melting point	~1400~1450°C