

For 304/304L austenitic stainless steel welding

Typical application scenarios:

- ✓ Food processing equipment
- ✓ Pharmaceutical containers
- ✓ Building decoration components
- ✓ Chemical pipeline systems

■ Features:

- Corrosion resistance guarantee: 19-21%Cr/9-11%Ni composition matches the parent material
- Ultra-low carbon: $C \leq 0.03\%$, passed the ASTM A262E intergranular corrosion test
- Stable process: titanium-calcium slag system, slag removal rate $\geq 90\%$



Chemical properties

Element	C	Cr	Ni	Mn	Si	S	P
Content	≤ 0.03	19-21	9-11	0.5-2.5	0.3-0.7	≤ 0.03	≤ 0.03

Material properties

Characteristics	Value/Description
Tensile strength	≥ 520 MPa
Yield strength	≥ 210 MPa
Elongation (gauge length 50mm)	$\geq 35\%$
Impact toughness (-20°C)	≥ 100 J @ -196°C
Deposition efficiency	92%-95%
Splash rate	$\leq 3\%$