



LA307L

STANDARD

AWS A5.22 E307 T1-1 ; E307 T1-4

CHARACTERISTICS

Excellent operating properties, good appearance and slight spatter, corrosive resistance

APPLICATION

With excellent corrosive resistance, LA307L is suitable for welding of Austenite metal of 4% Mn, low sensitivity of crack, used for welding of bullet proof steel plates, surface stainless steel ,high tensile strength steel and harden alloy steel, etc.

TYPICAL CHEMICAL COMPOSITION (%)

C	Mn	Si	Cr	Ni	Mo	S&P
0.09	4.25	0.6	19.47	10.15	1.3	≤0.03

MECHANICAL PROPERTIES: (CO₂ SHIELDED)

Strength of Extension σ_b (Mpa)	Ductility δ_5 (%)
≥570	≥35
613	46

WELDING PROCEDURE PARAMETERS

Diameter(mm)	Amperage(A)	Voltage(V)
Φ1.2	140-260	24-32
Φ1.6	200-300	27-34

NOTES

1. CO₂ purity≥99.5% , gas-flow≥20L/Min.
2. Deposited metal is unmachinable.
3. Pay attention to wind-resistance.
4. Remove the greasy dirt and moisture.