

Stainless Steel Electrodes 不锈钢焊条

Model Name	Standard	Chemical composition	Mechanical Properties	Description
UN-E316	AWS E316-16 JIS E316-16 DIN E19 12 3 R 23 BS 19.23 3LR GB/T E316L-16(A202)	C≤0.04 Mn 0.5-2.5 Si≤0.90 Mo ≤2.0-3.0 Cr 17.0-20.0 Ni 11.0-14.0	$\delta b \geq 520\text{MPa}$ $\delta 5 \geq 30\%$	Used for welding stainless steel 0Cr18Ni12Mo2 working in non-oxidative acid medium
UN-E316L	AWS E316L-16 JIS E316L-16 DIN E19 12 3 R 23 BS 19.23 3R GB/T E316L-16(A022)	C≤0.04 Mn 0.5-2.5 Si≤0.90 Mo ≤2.0-3.0 Cr 17.0-22.0 Ni 11.0-14.0	$\delta b \geq 490\text{MPa}$ $\delta 5 \geq 30\%$	Used for welding extra low-carbon Cr18Ni12Mo stainless steel, such as stainless steel equipments of urea, cellulose
UN-E347	AWS E347-16 JIS D347-16 DIN E29 9 R 23 BS 29.9R GB/T E347-16(A132)	C≤0.15 Mn 0.5-2.5 Si≤0.90 Mo ≤0.75 Cr 28.0-32.0 Ni 8.0-10.5	$\delta b \geq 660\text{MPa}$ $\delta 5 \geq 22\%$	Used for welding important corrosion-resistant 0Cr19Ni11Ti stainless steel. It has excellent corrosion resistance to the intercrystalline
UN-E309	AWS E309-16 JIS D309-16 BS 2312R DIN ET1221226 GB/T E309-16(A302)	C≤0.15 Mn 0.5-2.5 Si≤0.90 Mo ≈0.175 Cr 22.0-25.0 Ni 12.0-14.0	$\delta b \geq 550\text{MPa}$ $\delta 5 \geq 25\%$	Used for welding 0Cr24Ni13 stainless steel and complex type of steel, different type of steel, high Cr steel, high Mn steel.
UN-E309L	AWS E309L-16 GB/T E309L-16(A062)	C≤0.04 Mn 0.5-2.5 Si≤0.90 Mo ≈0.75 Cr 22-25 Ni 12-14	$\delta b \geq 520\text{MPa}$ $\delta 5 \geq 25\%$	Used for welding extra low carbon stainless steel 00Cr23Ni13. It has more excellent resistance to the intercry stalline
UN-E309MoL	AWS E309MoL-16 GB E309MoL-16(A042)	C≤0.04 Mn 0.5-2.5 Si≤0.90 Mo 2.0-3.0 Cr 22.0-25.0 Ni 12.0-14.0	$\delta b \geq 540\text{MPa}$ $\delta 5 \geq 25\%$	Used for welding extra low carbon stainless steel 00Cr23Ni13Mo2. It has excellent corrosion-resistance
UN-E310	AWS E310-16 JIS D310-16 GB E310-16(A402)	C 0.08-0.2 Mn 1.0-2.5 Si≤0.75 Mo ≤0.75 Cr 22.0-28.0 Ni 20.0-22.5	$\delta b \geq 550\text{MPa}$ $\delta 5 \geq 25\%$	Used for welding heat-resistant stainless steel 0Cr26Ni21, Cr steel and different type of steel under high temperature
UN-E307	AWS E307-16 GB E307-16(A172)	C 0.04-0.14 Mn 3.30-4.75 Si≤0.90 Mo 0.5-1.5 Cr 18-21.5 Ni 9-10.7	$\delta b \geq 590\text{MPa}$ $\delta 5 \geq 30\%$	It has excellent crack rseistance for welding ASTM307 steel and different type of steel