Coated welding electrode

190514

TETRA 316L-E



CLASSIFICATION

AWS A5.4 ISO 3581-A

: E316L-16 : E 19 12 3 L R 32

EN 1600 : E 19 12 3 L R 32

DESCRIPTION AND APPLICATIONS

- Rutile basic coated electrode •
- Austenitic deposit in CrNi steel type 316L •
- Joining of low carbon stainless steels and/or stabilised steels with similar compositions, • resistant to corrosion
- Service temperatures from -196°C to +350°C. .
- Complements Welding Alloys cored wires TETRA S 316L-G and TETRA V 316L-G •

Base materials

Stainless steels for general use:

UNS	Alloy	EN 10088	Material N°
S31600	316	X5CrNiMo17-12-2	1.4401
S31603	316L	X2CrNi17-12-2	1.4404
S31635	316Ti	X6CrNiMoTi17-12-2	1.4571
S31640	316Cb	X6CrNiMoNb17-12-2	1.4580

TYPICAL ALL-WELD METAL ANALYSIS [%]

С	Si	Mn	Cr	Ni	Мо
<0.03	0.8	0.7	18.5	12.2	2.8

TYPICAL ALL-WELD METAL MECHANICAL PROPERTIES

Rm [MPa]	Rp0.2%[MPa]	Α%	KCV [J]		
580	450	40	+20°C : 70		

OPERATING CONDITIONS

Electrode ØxL [mm]	2.5 x 300	3.2 x 350	4.0 x 350	5.0 x 450
Current [A]	75	110	140	180

Rebaking if necessary 1h at 250°C. Interpass temperature: < 200°C.

~ 70V = +

WELDING POSITIONS



1G/PA 2F/PB 2G/PC 3G/PF 4G/PE

PACKAGING

Electrode ØxL [mm]	2.5 x 300	3.2 x 350	4.0 x 350	5.0 x 450
Weight/box [kg]	5	5	5	6.5

Other packaging and other diameters : please consult us

Welding products and techniques evolve constantly. All descriptions, illustrations and properties given in this data sheet are subject to change without notice and can only be considered as suitable for general guidance. This document is intended to help the user make the correct choice of product. It is his responsibility to assess its suitability for his intended application.