OK Tigrod 317L

Bare, corrosion-resistant, chromium-nickel-molybdenum welding rods for welding austenitic stainless alloys of the 19% Cr, 9% Ni, 3% Mo types. OK Tigrod 317L has good resistance to general corrosion and pitting due to its high content of molybdenum. The alloy has a low carbon content which makes it particularly recommended when there is a risk of intergranular corrosion. The alloy is used in severe corrosion conditions such as in the petrochemical, pulp and paper industries.

Classifications Wire Electrode:	SFA/AWS A5.9:ER317L, EN ISO 14343-A:W18 15 3 L

Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
As welded	390 MPa (56.5 ksi)	600 MPa (87 ksi)	45 %

Typical Charpy V-Notch Properties

Condition	Testing Temperature	Impact Value
As welded	20 °C (68 °F)	135 J (99.5 ft-lb)
As welded	-196 °C (-321 °F)	55 J (40.5 ft-lb)

Typical Wire Composition %

C	Mn	Si	Ni	Cr	Mo	Cu	N	FN WRC-92
0.01	1.4	0.4	13.6	18.9	3.6	0.05	0.05	7

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