OK Tigrod 317L

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

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

Alloy Type	Austenitic (with approx. 8 % ferrite) 19% Cr - 12% Ni - 3% Mo - Low C
Shielding Gas	I1 (EN ISO 14175)

Typical Tensile Properties			
Condition	**Yield Strength**	**Tensile Strength**	**Elongation**
As Welded	390 MPa	600 MPa	45 %

Typical Charpy V-Notch Properties		
Condition	**Testing Temperature**	**Impact Value**
As Welded	20 °C	135 J
As Welded	-196 °C	55 J

Typical Wire Composition %							
C	**Mn**	**Si**	**Ni**	**Cr**	**Mo**	**N**	**FN WRC-92**
0.01	1.4	0.4	13.6	18.9	3.6	0.05	7