

OK Tigrod 2509

Bare, corrosion-resistant, "Super Duplex" rods for welding austenitic-ferritic stainless alloys of the 25% Cr, 7% Ni, 4% Mo, low C types. OK Autrod 2509 has high intergranular-corrosion, pitting and stress-corrosion resistance. The alloy is widely used in applications where corrosion resistance is of the utmost importance. The pulp and paper industry, offshore and gas industry are areas of interest.

Classifications:	SFA/AWS A5.9:ER2594, EN ISO 14343-A:W 25 9 4 N L
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Alloy Type:	Austenitic-ferritic (25 % Cr - 10 % Ni - 4 % Mo - Low C)
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Typical Tensile Properties			
Condition	Yield Strength	Tensile Strength	Elongation
As welded	660 MPa	835 MPa	37 %

Typical Charpy V-Notch Properties		
Condition	Testing Temperature	Impact Value
As welded	-20 °C	200 J
As welded	-50 °C	180 J

Typical Wire Composition %						
C	Mn	Si	Ni	Cr	Mo	N
0.01	0.4	0.4	9.4	25.2	3.9	0.24