

OK Tigrod 310

Bare, corrosion-resistant, chromium-nickel welding rod for welding heat-resistant austenitic steels of the 25Cr-20Ni type. The wire has a high Cr content and provides good oxidation resistance at high temperatures. Common applications include industrial furnaces and boiler parts, as well as heat exchangers.

Classifications Wire Electrode	SFA/AWS A5.9 : ER310 EN ISO 14343-A : W 25 20
---------------------------------------	--

Alloy Type	Fully austenitic (25 % Cr - 20 % Ni)
-------------------	--------------------------------------

Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
As Welded	390 MPa	590 MPa	43 %

Typical Charpy V-Notch Properties

Testing Temperature	Impact Value
-196 °C (-321 °F)	60 J (44 ft-lb)
20 °C (68 °F)	175 J (129 ft-lb)

Typical Wire Composition %

C	Mn	Si	Ni	Cr	Mo	Cu
0.10	1.6	0.4	20.7	25.8	0.10	0.05