

OK Tigrod 19.82

A nickel-based, corrosion- and heat-resistant, 22% Cr, 9% Mo, 3.5% Nb rod for the GTAW of high-alloyed steel, heat-resistant steel, corrosion-resistant steel, 9% Ni steels and similar steel with high notch toughness at low temperatures. It is also suitable for joining dissimilar metals of the types mentioned above. OK Tigrod 19.82 is normally welded with pure Ar as the shielding gas.

Specifications

Classifications

SFA/AWS A5.14 : ERNiCrMo-3
EN ISO 18274 : S Ni 6625 (NiCr22Mo9Nb)

Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
As Welded	550 MPa	780 MPa	40 %

Typical Charpy V-Notch Properties

Condition	Testing Temperature	Impact Value
As Welded	+20 °C	130 J
As Welded	-105 °C	120 J
As Welded	-196 °C	130 J