

Pipeweld 111T-1

An all positionable rutile flux cored wire that is used with Ar-CO₂ shielding gas. This wire offers excellent weldability. Suitable for up to X100 strength pipe.

Specifications

Classifications	SFA/AWS A5.29 : E111T1-K3MJ-H4 EN ISO 18276-A : T 69 4 2NiMo P M21 2 H5
Welding Current	DC+
Alloy Type	Low Alloy (Ni Mo)
Shielding Gas	M21 (EN ISO 14175)

Tensile Properties

Testing Condition	Yield Strength	Tensile Strength	Elongation
M21 shielding gas			
As Welded	761 MPa	840 MPa	19 %

Charpy Testing

Testing Condition	Testing Temp	Impact Value
M21 shielding gas		
As Welded	-40 °C	60 J

Typical Weld Metal Analysis %

C	Mn	Si	Ni	Mo
0.055	1.21	0.39	2.3	0.4

Deposition Data

Diameter	Amps	Volts	Wire Feed Speed	Deposition Rate
1.2 mm	150-350 A	21-32 V	5.6-19.8 m/min	2.1-7.5 kg/h