



## ESSEN TUB 81T1 W2

**Classification: AWS A5.29:2010 E81T1-W2C / ASME SFA5.29 E81T1-W2C ED. 15**

Rutile flux-cored wire designed for single-pass or multi-pass welding in all positions, recommended for weathering steels with resistance to atmospheric corrosion, heavy fabrication, and general maintenance workshops. It is suitable for industries such as cement, ceramics, mining, steelmaking, petrochemical, and sugar & ethanol, among others.

This wire provides a good deposition rate and a stable arc, allowing for a smooth weld bead finish, low spatter levels, and easy slag removal, ensuring improved efficiency and productivity during operation.

### CHEMICAL COMPOSITION:

C	Mn	Si	P	S	Cr	Ni	Cu
0,12% Max.	0,5 to 1,3%	0,35 to 0,8%	0,03% Max.	0,03% Max.	0,45 to 0,8%	0,4 to 0,8%	0,3 a 0,7%

### MECHANICAL PROPERTIES:

TENSILE STRENGTH:	YIELD STRENGTH:	ELONGATION:	IMPACT TOUGHNESS:
550 ~ 690 Mpa	470 Mpa (min)	19% (min)	27 J to -30°C

SHIELDING GAS:	CURRENT TYPE	STICK-OUT (mm):
CO2 100%	DC+	15 to 20

### PRODUCT FEATURES:

DIAMETER (mm):	CURRENT (A):	VOLTAGE (V):	PACKAGING (kg):
1.20	120 to 280	18 to 30	12.5
1.60	180 to 320	20 to 34	12.5

#### CUSTOMER SERVICE POLICY

The information provided above is for reference purposes only and shall not be considered as a guarantee or certificate. Many variables may influence the results of a welding operation. Uniweld Industria de Eletrodos LTDA assumes no responsibility for any incorrect application of the product. If you have any questions, we recommend contacting our Technical Assistance Department for proper support.