

PRODUCT DATA SHEET

Afrox S71T-11



S71T-11 is an open-arc (no shielding gas required) tubular wire which is exceptionally easy to use. It is recommended for use with smaller MIG machines or in areas where the provision of gas cylinders is not practical. S71T-11 has little tendency to burn through and is well suited for butt, fillet, and lap joints on steel thickness of 1,6 mm to 10 mm. It is not recommended for welding steel thickness greater than 12 mm.

Classifications

AWS	A5.20	E71T-11
EN	17632-A	T 42 ZW N I H10

Typical Chemical Analysis (All weld metal)

% Carbon	0,18	% Sulphur	0,012
% Manganese	1,0	% Phosphorous	0,012
% Silicon	0,25	% Aluminium	0,8

Typical Mechanical Properties (All weld metal using CO₂ gas)

Yield Strength	430 MPa
Tensile Strength	520 MPa
% Elongation on 5d	23

Welding Data (DC+) Shielding Gas: CO₂

Diameter (mm)	Current	
	Amps (A)	Volts (V)
0,8	50 - 200	12 - 24
0,9	70 - 220	13 - 27
1,2	90 - 310	16 - 35
Typical Values		

Packing Data

Diameter (mm)	Spool Mass (kg)	Item Number
0,8	4,5	W081004
0,9	4,5	W081009
1,2	4,5	W081016

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