

Flux Cored Steel

Alloy: WW70T-1
Class: E70T-1

Conforms to Certification: AWS A5.20
ASME SFA A5.20

Alloy: E70T-1
Weld Process: Mig Welding Process

AWS Chemical Composition Requirements

C = 0.18 max	Cr = 0.20 max
Mn = 1.75 max	Ni = 0.50 max
Si = 0.90 max	Mo = 0.30 max
P = 0.03 max	V = 0.80 max
S = 0.03 max	Cu = 0.35 max

Deposited All Weld Metal Properties %

As-Welded

Tensile Strength	90,000psi
Yield Strength	78,500psi
Elongation	27%

Deposited Chemical Composition % (Typical)

C = 0.052	Cr = 0.038
Mn = 1.3	Ni = 0.044
Si = 0.34	Mo = 0.004
P = 0.013	V = 0.012
S = 0.0097	Cu = 0.051

Deposited Charpy-V-Notch Impact Properties %

37 ft. lbs. (at 0°F)

Application

E70T-1 is designed for single or multi pass welding it is a good choice for welding mild and low alloy steels.

