

Universal Wire Works E91T1-B3 Flux Cored Carbon Steel Tubular Electrode

Category : Metal , Ferrous Metal , Carbon Steel

Material Notes:

Alloy 91T1-B3 is a low alloy steel electrode for single and multiple pass welding of 2.25% chromium, 1 % molybdenum high temperature creep resistant steels in all positions. The fast freezing slag system provides high welder appeal and easy removal. This alloy is formulated for welding ASTM A387 Gr. 22 plate and A335 P22 pipe steels. Extensively used in the fabrication of pressure vessels, boilers, heat exchangers and other applications involved with high temperature exposure and creep resistance. Shielding Gas: 100% CO₂ @ 35-50 cfm
Information provided by Universal Wire Works for their line of welding wire and filler metal.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Universal-Wire-Works-E91T1-B3-Flux-Cored-Carbon-Steel-Tubular-Electrode.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	738 MPa	107000 psi	post-weld heat-treated
Tensile Strength, Yield	670 MPa	97200 psi	
Elongation at Break	17 %	17 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.060 %	0.060 %	
Chromium, Cr	2.32 %	2.32 %	
Iron, Fe	95.2 %	95.2 %	As Remainder
Manganese, Mn	0.97 %	0.97 %	
Molybdenum, Mo	1.11 %	1.11 %	
Phosphorous, P	0.013 %	0.013 %	
Silicon, Si	0.32 %	0.32 %	
Sulfur, S	0.017 %	0.017 %	

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