

Universal Wire Works E-71T-1 Flux Cored Carbon Steel Tubular Electrode

Category : Metal , Ferrous Metal , Carbon Steel

Material Notes:

Alloy 71T1 is an all position, flux-cored electrode which is intended for the single and multiple pass welding of carbon and certain low alloy steels where a minimum tensile strength of 70,000 psi is required. Gas shielding can be (100% CO₂) or (75% Ar / 25% CO₂). This alloy is an excellent choice for general purpose, flux cored welding on steels, such as structural steel, farm machinery, construction equipment and general steel fabrications. 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-E-71T-1-Flux-Cored-Carbon-Steel-Tubular-Electrode.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	571 MPa	82800 psi	
Tensile Strength, Yield	490 MPa	71000 psi	
Elongation at Break	25 %	25 %	
Charpy Impact	78.6 J @Temperature -17.8 °C	58.0 ft-lb @Temperature 0.000 °F	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.050 %	0.050 %	
Iron, Fe	98.2 %	98.2 %	As Remainder
Manganese, Mn	1.0 %	1.0 %	
Phosphorous, P	0.0080 %	0.0080 %	
Silicon, Si	0.74 %	0.74 %	
Sulfur, S	0.015 %	0.015 %	

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