

Universal Wire Works 347 Stainless Steel Electrode

Category : Metal , Ferrous Metal , Stainless Steel , T 300 Series Stainless Steel

Material Notes:

Universal 347 electrodes were developed for the welding of types 321 and 347 stainless and the clad side of steel clad with like alloys. Alloy 347 is used for the fabrication of equipment, which must be placed in service under severe corrosive conditions. Typical applications include pressure vessels for continuous service at temperatures of 700 to 1600 degrees F such as chemical plant and oil refinery equipment. Alloy 347 electrodes are columbium stabilized, containing columbium in the amount of 10 times the amount of carbon with a maximum of 1.00%. When welding stabilized alloys of 321 and 347, intergranular corrosion does not occur. 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-347-Stainless-Steel-Electrode.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	655 MPa	95000 psi	
Elongation at Break	33 %	33 %	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	871 °C	1600 °F	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.060 %	0.060 %	
Chromium, Cr	19.4 %	19.4 %	
Iron, Fe	67.2 %	67.2 %	As Remainder
Manganese, Mn	1.9 %	1.9 %	
Nickel, Ni	10.1 %	10.1 %	
Niobium, Nb (Columbium, Cb)	0.80 %	0.80 %	
Silicon, Si	0.50 %	0.50 %	

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