

Universal Wire Works 312 Stainless Steel Electrode

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

Material Notes:

Universal 312 electrodes were originally designed for the welding of high tensile alloys to high temperature heat resisting alloys on turbine engines. However, based upon performance these electrodes have found wide acceptance for the welding of newly developed high yield steels and abrasion resisting steels. The 312 deposit is excellent for welding dissimilar steels because of the high crack resistance and the highest tensile and yield strengths of any of the stainless arc welding electrodes commonly in use today. 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-312-Stainless-Steel-Electrode.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	793 MPa	115000 psi	
Elongation at Break	23 %	23 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.13 %	0.13 %	
Chromium, Cr	29 %	29 %	
Iron, Fe	59.9 %	59.9 %	As Remainder
Manganese, Mn	1.5 %	1.5 %	
Nickel, Ni	9.0 %	9.0 %	
Silicon, Si	0.50 %	0.50 %	

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