

## Universal Wire Works 316L Stainless Steel Electrode

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

### Material Notes:

Universal 316L is the same as Alloy 316 except for the restricted carbon content. By holding the carbon content below 0.04% the chances of carbon precipitation is minimized thus protecting the corrosion resistance of the base metal. Universal 316L is used extensively in the chemical and process industries and on parts and equipment build to resist acids used in the manufacture of ink, paints, rubber, synthesized fabrics, bleaches, photographic chemicals and pulp and paper. 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-316L-Stainless-Steel-Electrode.php](http://www.lookpolymers.com/polymer_Universal-Wire-Works-316L-Stainless-Steel-Electrode.php)

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	593 MPa	86000 psi	
Elongation at Break	42 %	42 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.040 %	0.040 %	
Chromium, Cr	18.5 %	18.5 %	
Iron, Fe	64.1 %	64.1 %	As Remainder
Manganese, Mn	1.75 %	1.75 %	
Molybdenum, Mo	2.25 %	2.25 %	
Nickel, Ni	12.9 %	12.9 %	
Silicon, Si	0.50 %	0.50 %	

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