

## Universal Wire Works 61 Nickel Alloy Welding Wire

Category : Metal , Nonferrous Metal , Nickel Alloy

### Material Notes:

Alloy 61 is used for TIG, MIG, and submerged-arc welding of Nickel 200 and 201, and for overlaying on steel. There is a reaction of carbon with titanium during the welding process so there is a low level of free carbon, which permits Alloy 61 to be used on Nickel 201. Dissimilar welding applications of Alloy 61 include: joining Monel type alloys and copper-nickel alloys to carbon steels, Inconel and Incoloy type alloys to copper-nickel alloys and Monel alloys. 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-61-Nickel-Alloy-Welding-Wire.php](http://www.lookpolymers.com/polymer_Universal-Wire-Works-61-Nickel-Alloy-Welding-Wire.php)

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	414 MPa	60000 psi	
Elongation at Break	20 %	20 %	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	<= 1.5 %	<= 1.5 %	
Carbon, C	<= 0.15 %	<= 0.15 %	
Copper, Cu	<= 0.25 %	<= 0.25 %	
Iron, Fe	<= 1.0 %	<= 1.0 %	
Manganese, Mn	<= 1.0 %	<= 1.0 %	
Nickel, Ni	>= 93 %	>= 93 %	
Other	<= 0.50 %	<= 0.50 %	
Phosphorous, P	<= 0.030 %	<= 0.030 %	
Silicon, Si	<= 0.75 %	<= 0.75 %	
Sulfur, S	<= 0.015 %	<= 0.015 %	
Titanium, Ti	2.0 - 3.5 %	2.0 - 3.5 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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