

Universal Wire Works 60 Nickel Alloy Welding Wire

Category : Metal , Nonferrous Metal , Nickel Alloy

Material Notes:

Alloy 60 is used for Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), and Submerged Arc Welding (SMA) of Monel type alloys 400 and 404, as well as overlaying on steel. When GMAW or MIG welding overlays on steel a first pass of Alloy 61 is recommended. When using the submerged arc process with a flux, a layer of Alloy 61 is not necessary. Alloy 60 dissimilar metal welding applications include: joining Monel type alloys and nickel 200 to copper and copper-nickel alloys or Monel type alloys to nickel 200. 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-60-Nickel-Alloy-Welding-Wire.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	483 MPa	70000 psi	
Elongation at Break	30 %	30 %	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	<= 1.25 %	<= 1.25 %	
Carbon, C	<= 0.015 %	<= 0.015 %	
Copper, Cu	>= 18.5 %	>= 18.5 %	As Remainder
Iron, Fe	<= 2.5 %	<= 2.5 %	
Manganese, Mn	<= 4.0 %	<= 4.0 %	
Nickel, Ni	62 - 69 %	62 - 69 %	
Other	<= 0.50 %	<= 0.50 %	
Phosphorous, P	<= 0.020 %	<= 0.020 %	
Silicon, Si	<= 1.25 %	<= 1.25 %	
Sulfur, S	<= 0.015 %	<= 0.015 %	
Titanium, Ti	1.5 - 3.0 %	1.5 - 3.0 %	

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