

Universal Wire Works 190 Nickel Alloy Welding Wire

Category : Metal , Nonferrous Metal , Nickel Alloy

Material Notes:

Alloy 190 is used for arc welding Monel type alloys 400 and 404 to themselves or to one another, as well as overlaying on steel. Typical applications include welding ASTM B127, B163, B164, and B165. Dissimilar welding applications are: joints between Monel type alloys and copper, copper-nickel, carbon steel and low alloy steel. Electrode sizes 3/32 and 1/8 diameter can be used in all positions, while the larger 5/32 and 3/16 diameter are used in the flat and horizontal positions. POWER SUPPLY DCRP. 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-190-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	<= 0.75 %	<= 0.75 %	
Carbon, C	<= 0.15 %	<= 0.15 %	
Copper, Cu	>= 22.1 %	>= 22.1 %	As Remainder
Iron, Fe	<= 2.5 %	<= 2.5 %	
Manganese, Mn	<= 4.0 %	<= 4.0 %	
Nickel, Ni	62 - 68 %	62 - 68 %	
Other	<= 0.50 %	<= 0.50 %	
Phosphorous, P	<= 0.020 %	<= 0.020 %	
Silicon, Si	<= 1.0 %	<= 1.0 %	
Sulfur, S	<= 0.015 %	<= 0.015 %	
Titanium, Ti	<= 1.0 %	<= 1.0 %	

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