

Universal Wire Works 112 Nickel Alloy Welding Wire

Category : Metal , Nonferrous Metal , Nickel Alloy

Material Notes:

Alloy 112 is used for arc welding Incoloy types 800 and 801, Inconel types 601 and 625, for overlaying on carbon steel, and for joining 9% nickel steel. Alloy 112 dissimilar welding applications are: joining Incoloy type alloy 825 to stainless steels, low-alloy steels and carbon steels; Incoloy type alloys 800 to 825, Inconel type alloys 625, 706, 718 and X-750 to nickel 9% nickel steel and Inconel type alloy 625; Monel type alloy K-500 and Incoloy type alloys 800 and 825 to Inconel type alloys 706, 718, and X-750. 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-112-Nickel-Alloy-Welding-Wire.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	758 MPa	110000 psi	
Elongation at Break	30 %	30 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.10 %	<= 0.10 %	
Chromium, Cr	20 - 23 %	20 - 23 %	
Cobalt, Co	<= 0.12 %	<= 0.12 %	
Copper, Cu	<= 0.50 %	<= 0.50 %	
Iron, Fe	<= 7.0 %	<= 7.0 %	
Manganese, Mn	<= 1.0 %	<= 1.0 %	
Molybdenum, Mo	8.0 - 10 %	8.0 - 10 %	
Nb + Ta	3.0 - 4.15 %	3.0 - 4.15 %	
Nickel, Ni	>= 55 %	>= 55 %	
Other	<= 0.50 %	<= 0.50 %	
Phosphorous, P	<= 0.030 %	<= 0.030 %	
Silicon, Si	<= 0.75 %	<= 0.75 %	
Sulfur, S	<= 0.020 %	<= 0.020 %	

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