

Universal Wire Works 901 (AMS 5830) Filler Metal

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

Material Notes:

This alloy is typically used as a filler metal for electron beam; gas tungsten arc or gas metal arc weld build-up of corrosion and heat resistant nickel-iron 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-901-AMS-5830-Filler-Metal.php

Component Elements Properties	Metric	English	Comments
Aluminum, Al	<= 0.35 %	<= 0.35 %	
Bismuth, Bi	<= 0.0000030 %	<= 0.0000030 %	
Boron, B	<= 0.020 %	<= 0.020 %	
Calcium, Ca	<= 0.0010 %	<= 0.0010 %	
Carbon, C	<= 0.10 %	<= 0.10 %	
Chromium, Cr	13 %	13 %	
Cobalt, Co	<= 1.0 %	<= 1.0 %	
Copper, Cu	<= 0.50 %	<= 0.50 %	
Hydrogen, H	<= 0.0010 %	<= 0.0010 %	
Iron, Fe	>= 31.6 %	>= 31.6 %	As Remainder
Lead, Pb	<= 0.00050 %	<= 0.00050 %	
Manganese, Mn	<= 1.0 %	<= 1.0 %	
Molybdenum, Mo	6.0 %	6.0 %	
Nickel, Ni	43 %	43 %	
Nitrogen, N	<= 0.0050 %	<= 0.0050 %	
Oxygen, O	<= 0.0025 %	<= 0.0025 %	
Phosphorous, P	<= 0.015 %	<= 0.015 %	
Selenium, Se	<= 0.00030 %	<= 0.00030 %	
Silicon, Si	<= 0.60 %	<= 0.60 %	
Sulfur, S	<= 0.010 %	<= 0.010 %	
Titanium, Ti	2.75 %	2.75 %	

Component Elements Properties

Metric

English

Comments

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