

Universal Wire Works 187 Copper-Nickel Alloy Welding Wire

Category : Metal , Nonferrous Metal , Copper Alloy , Nickel Alloy

Material Notes:

Alloy 187 is used for arc welding of wrought or cast 70/30, 80/20, and 90/10 copper nickel alloys to themselves or to each other. Alloy 187 can be used for welding the clad side of copper-nickel clad 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-187-Copper-Nickel-Alloy-Welding-Wire.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	345 MPa	50000 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	>= 62.1 %	>= 62.1 %	as balance
Iron, Fe	<= 2.5 %	<= 2.5 %	
Manganese, Mn	<= 4.0 %	<= 4.0 %	
Nickel, Ni	>= 29 %	>= 29 %	
Other	<= 0.50 %	<= 0.50 %	
Phosphorous, P	<= 0.020 %	<= 0.020 %	
Sulfur, S	<= 0.015 %	<= 0.015 %	
Titanium, Ti	<= 1.0 %	<= 1.0 %	

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