

Universal Wire Works 617 Nickel Alloy Welding Wire

Category : Metal , Nonferrous Metal , Nickel Alloy

Material Notes:

Alloy 617 is used for TIG and MIG welding of Inconel type alloy 617 and alloys of similar composition. Alloy 617 welds produce high stress-rupture strength in prolonged exposure to high temperatures. Alloy 617 is best used on applications subjected to elevated temperatures about 1400 degrees. Alloy 617 is excellent for welding alloys 600, 601, 800h, 800HT and 803, and for cast alloys HK-40, HP and HP-45 MOD. 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-617-Nickel-Alloy-Welding-Wire.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	807 MPa	117000 psi	
	296 MPa	43000 psi	
	@Temperature 871 °C	@Temperature 1600 °F	
Tensile Strength, Yield	503 MPa	73000 psi	
	262 MPa	38000 psi	
	@Temperature 871 °C	@Temperature 1600 °F	
Elongation at Break	41 %	41 %	
	33 %	33 %	
	@Temperature 871 °C	@Temperature 1600 °F	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	1.2 %	1.2 %	
Carbon, C	0.070 %	0.070 %	
Chromium, Cr	22 %	22 %	
Cobalt, Co	12.5 %	12.5 %	
Copper, Cu	0.20 %	0.20 %	
Iron, Fe	1.5 %	1.5 %	
Manganese, Mn	0.50 %	0.50 %	
Molybdenum, Mo	9.0 %	9.0 %	
Nickel, Ni	52.3 %	52.3 %	As Remainder
Phosphorous, P	0.0080 %	0.0080 %	

Component Elements Properties	Metric	English	Comments
Sulfur, S	0.0060 %	0.0060 %	
Titanium, Ti	0.20 %	0.20 %	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China