

## Universal Wire Works 625 Nickel Alloy Welding Wire

Category : Metal , Nonferrous Metal , Nickel Alloy

**Material Notes:**

Alloy 625 is used for TIG, MIG and submerged-arc welding of Inconel type alloys 601 and 625, Incoloy type alloy 800, as well as overlaying on steel and joining 9% nickel steel. Alloy 625 can be used for welding a variety of dissimilar joints including Inconel type alloys, Incoloy type alloys, stainless steels, low alloy steels and carbon steels. Alloy 625 is also available in a

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Universal-Wire-Works-625-Nickel-Alloy-Welding-Wire.php](http://www.lookpolymers.com/polymer_Universal-Wire-Works-625-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
Aluminum, Al	<= 0.40 %	<= 0.40 %	
Carbon, C	<= 0.10 %	<= 0.10 %	
Chromium, Cr	20 - 23 %	20 - 23 %	
Cobalt, Co	<= 1.0 %	<= 1.0 %	
Copper, Cu	<= 0.50 %	<= 0.50 %	
Iron, Fe	<= 5.0 %	<= 5.0 %	
Manganese, Mn	<= 0.50 %	<= 0.50 %	
Molybdenum, Mo	8.0 - 10 %	8.0 - 10 %	
Nickel, Ni	>= 58 %	>= 58 %	
Niobium, Nb (Columbium, Cb)	3.15 - 4.15 %	3.15 - 4.15 %	
Other	<= 0.50 %	<= 0.50 %	
Phosphorous, P	<= 0.020 %	<= 0.020 %	
Silicon, Si	<= 0.50 %	<= 0.50 %	
Sulfur, S	<= 0.015 %	<= 0.015 %	
Titanium, Ti	<= 0.40 %	<= 0.40 %	

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