

Universal Wire Works Inconel 92 (AMS 5675) Nickel Alloy Filler Metal

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

Material Notes:

Inconel Filler Metal 92 is a nickel base alloy designed especially for gas tungsten arc and gas metal arc welding of dissimilar combinations of high nickel alloys and austenitic and ferritic steels. Dissimilar applications of the alloy include joining Incoloy and Inconel alloys to carbon steels, stainless steels and Monel alloys; joining nickel base 200 and Monel alloys to stainless steels and joining stainless steels to carbon steels. Excellent results are obtained in joining 9% nickel steel to itself. Alloy 92 deposits are age hardenable. The mechanical properties listed as "annealed and aged" are minimum values after undergoing 1600°F/2 hr., A.C. + 1300°F/20 hr., A.C. 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-Inconel-92-AMS-5675-Nickel-Alloy-Filler-Metal.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	552 MPa	80000 psi	As Welded
	793 MPa	115000 psi	Annealed and Aged
Tensile Strength, Yield	276 MPa	40000 psi	As Welded
	483 MPa	70000 psi	Annealed and Aged
Elongation at Break	10 %	10 %	Annealed and Aged
	30 %	30 %	As Welded

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.080 %	<= 0.080 %	
Chromium, Cr	15.5 %	15.5 %	
Copper, Cu	<= 0.50 %	<= 0.50 %	
Iron, Fe	7.0 %	7.0 %	
Manganese, Mn	2.4 %	2.4 %	
Nickel, Ni	70 %	70 %	
Other	<= 0.50 %	<= 0.50 %	
Phosphorous, P	<= 0.030 %	<= 0.030 %	
Silicon, Si	<= 0.35 %	<= 0.35 %	
Sulfur, S	<= 0.015 %	<= 0.015 %	
Titanium, Ti	3.0 %	3.0 %	

Component Elements Properties	Metric	English	Comments
-------------------------------	--------	---------	----------

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