

Universal Wire Works Inconel 69 (AMS 5778) Filler Metal

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

Material Notes:

Inconel Filler Metal 69 is used for gas tungsten arc and gas metal arc welding of Inconel Alloy 722 and Inconel x-750. Typical applications for filler metal 69 include gas turbine and aircraft parts such as turbine blades, vanes, discs and springs. Age hardening info: 1950°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-69-AMS-5778-Filler-Metal.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	862 MPa	125000 psi	Heat Treated
Tensile Strength, Yield	621 MPa @Strain 0.200 %	90000 psi @Strain 0.200 %	Heat Treated
Elongation at Break	5.0 %	5.0 %	Heat Treated

Component Elements Properties	Metric	English	Comments
Aluminum, Al	0.40 %	0.40 %	
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	<= 1.0 %	<= 1.0 %	
Nb + Ta	1.0 %	1.0 %	
Nickel, Ni	72 %	72 %	
Other	<= 0.50 %	<= 0.50 %	
Phosphorous, P	<= 0.030 %	<= 0.030 %	
Silicon, Si	<= 0.50 %	<= 0.50 %	
Sulfur, S	<= 0.015 %	<= 0.015 %	
Titanium, Ti	2.4 %	2.4 %	

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