

Universal Wire Works Waspaloy (AMS 5828) Filler Metal

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

Material Notes:

Waspalloy Filler Metal is used to weld base metals of similar composition using the gas tungsten arc, gas metal arc and resistance welding processes. Waspalloy is generally used for critical applications requiring strength at elevated temperatures (1600°F). This alloy has good corrosion and oxidation resistance in gas turbine atmospheres and is recommended for turbine blades, shafts, turbine and compressor disc, spacers, fasteners and miscellaneous jet engine hardware. Waspalloy is suitable for replacing "Nominee" 90 alloy in selected applications. 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-Waspaloy-AMS-5828-Filler-Metal.php

Component Elements Properties	Metric	English	Comments
Aluminum, Al	1.5 %	1.5 %	
Boron, B	0.0060 %	0.0060 %	
Carbon, C	<= 0.080 %	<= 0.080 %	
Chromium, Cr	19 %	19 %	
Cobalt, Co	14 %	14 %	
Copper, Cu	<= 0.10 %	<= 0.10 %	
Iron, Fe	<= 2.0 %	<= 2.0 %	
Manganese, Mn	<= 0.10 %	<= 0.10 %	
Molybdenum, Mo	4.0 %	4.0 %	
Nickel, Ni	>= 56 %	>= 56 %	As Remainder
Phosphorous, P	<= 0.010 %	<= 0.010 %	
Silicon, Si	<= 0.10 %	<= 0.10 %	
Sulfur, S	<= 0.010 %	<= 0.010 %	
Titanium, Ti	3.0 %	3.0 %	
Zirconium, Zr	<= 0.040 %	<= 0.040 %	

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