

Universal Wire Works Commercially Pure (AMS 4951) Titanium Alloy Filler Metal

Category : Metal , Nonferrous Metal , Titanium Alloy , Unalloyed/Modified Titanium

Material Notes:

Universal commercially pure titanium is extremely versatile for applications requiring high temperature resistance together with resistance to many chemical reagents. Commercially pure (cp) titanium has many unique properties providing industry with answers to a host of equipment problems. CP titanium is available in sheet, strip, plate, bar, billet, tubing and wire, and is used in aircraft engine and airframe applications where tensile strength to weight ratios are important. 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-Commercially-Pure-AMS-4951-Titanium-Alloy-Filler-Metal.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	345 MPa	50000 psi	
Tensile Strength, Yield	172 MPa @Strain 0.200 %	25000 psi @Strain 0.200 %	
Elongation at Break	35 %	35 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.080 %	<= 0.080 %	
Hydrogen, H	<= 0.0050 %	<= 0.0050 %	
Iron, Fe	<= 0.20 %	<= 0.20 %	
Nitrogen, N	<= 0.050 %	<= 0.050 %	
Other	<= 0.60 %	<= 0.60 %	
Oxygen, O	<= 0.18 %	<= 0.18 %	
Titanium, Ti	98.885 - 100 %	98.885 - 100 %	As Remainder

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