

Universal Wire Works 321 Stainless Steel (AMS 5689) Filler Metal

Category : Metal , Ferrous Metal , Stainless Steel

Material Notes:

Universal 321 is a titanium-stabilized filler metal used with the gas metal arc and gas tungsten arc processes. Universal 321 stabilized weldments are often subjected to severe corrosive and high temperature service such as; aircraft exhaust manifolds, cabin heaters, fire walls and pressure vessels. 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-321-Stainless-Steel-AMS-5689-Filler-Metal.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	655 MPa	95000 psi	
Tensile Strength, Yield	448 MPa @Strain 0.200 %	65000 psi @Strain 0.200 %	
Elongation at Break	40 %	40 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.080 %	<= 0.080 %	
Chromium, Cr	18 %	18 %	
Copper, Cu	<= 0.50 %	<= 0.50 %	
Iron, Fe	>= 66.1 %	>= 66.1 %	As Remainder
Manganese, Mn	<= 2.0 %	<= 2.0 %	
Molybdenum, Mo	<= 0.75 %	<= 0.75 %	
Nickel, Ni	<= 11 %	<= 11 %	
Phosphorous, P	<= 0.040 %	<= 0.040 %	
Silicon, Si	<= 1.0 %	<= 1.0 %	
Sulfur, S	<= 0.030 %	<= 0.030 %	
Titanium, Ti	>= 0.48 %	>= 0.48 %	

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