

## Universal Wire Works 410 Stainless Steel (AMS 5776) Filler Metal

Category : Metal , Ferrous Metal , Stainless Steel

**Material Notes:**

Universal 410 is a ferritic stainless steel alloy, primarily used as filler metal for gas metal arc and gas tungsten arc welding of steel of similar composition. Deposits are resistant to corrosion and moderate heat. 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-410-Stainless-Steel-AMS-5776-Filler-Metal.php](http://www.lookpolymers.com/polymer_Universal-Wire-Works-410-Stainless-Steel-AMS-5776-Filler-Metal.php)

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	531 MPa	77000 psi	Heat Treated
Tensile Strength, Yield	276 MPa @Strain 0.200 %	40000 psi @Strain 0.200 %	Heat Treated
Elongation at Break	30 %	30 %	Heat Treated

Component Elements Properties	Metric	English	Comments
Aluminum, Al	<= 0.050 %	<= 0.050 %	
Carbon, C	<= 0.15 %	<= 0.15 %	
Chromium, Cr	12.5 %	12.5 %	
Copper, Cu	<= 0.50 %	<= 0.50 %	
Iron, Fe	>= 83.4 %	>= 83.4 %	As Remainder
Manganese, Mn	<= 1.0 %	<= 1.0 %	
Molybdenum, Mo	<= 0.50 %	<= 0.50 %	
Nickel, Ni	<= 0.75 %	<= 0.75 %	
Nitrogen, N	<= 0.080 %	<= 0.080 %	
Phosphorous, P	<= 0.025 %	<= 0.025 %	
Silicon, Si	<= 1.0 %	<= 1.0 %	
Sulfur, S	<= 0.015 %	<= 0.015 %	
Tin, Sn	<= 0.050 %	<= 0.050 %	

**Contact Songhan Plastic Technology Co.,Ltd.**

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China