

## Universal Wire Works 122 Nickel Alloy Welding Wire

Category : Metal , Nonferrous Metal , Nickel Alloy

**Material Notes:**

Alloy 122 is used for welding of nickel-chromium-molybdenum alloys as well as for overlay cladding on carbon, low alloy, or stainless steels. Alloy 122 is often used on dissimilar joints between nickel-chromium-molybdenum alloys and stainless, carbon, or low alloy steels.

Alloy 122 is used for welding base metals under ASTM F574, B619, B622, and B626. This alloy offers excellent corrosion resistance in oxidizing as well as reducing media in a wide variety of chemical process environments. Alloy 122 exhibits superior resistance to stress corrosion, cracking, pitting and crevice corrosion. 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-122-Nickel-Alloy-Welding-Wire.php](http://www.lookpolymers.com/polymer_Universal-Wire-Works-122-Nickel-Alloy-Welding-Wire.php)

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	786 MPa	114000 psi	
Tensile Strength, Yield	538 MPa	78000 psi	
Elongation at Break	36 %	36 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.014 %	0.014 %	
Chromium, Cr	21.2 %	21.2 %	
Iron, Fe	3.9 %	3.9 %	
Manganese, Mn	0.35 %	0.35 %	
Molybdenum, Mo	13.1 %	13.1 %	
Nickel, Ni	58 %	58 %	As Remainder
Phosphorous, P	0.012 %	0.012 %	
Silicon, Si	0.16 %	0.16 %	
Sulfur, S	0.0050 %	0.0050 %	
Tungsten, W	3.3 %	3.3 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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