

Universal Wire Works 117 Nickel Alloy Welding Wire

Category : Metal , Nonferrous Metal , Nickel Alloy

Material Notes:

Alloy 117 is a nickel alloy electrode for welding nickel-chromium-cobalt-molybdenum alloys (UNS # N06617). This alloy electrode provides optimum strength and oxidation resistance above 1500 degrees F up to 2100 degrees F, especially when welding base metals of nickel-iron-chromium composition. Alloy 117 can also be used for overlay cladding where similar alloy is required. 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-117-Nickel-Alloy-Welding-Wire.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	75.8 MPa	11000 psi	
Tensile Strength, Yield	600 MPa	87000 psi	
Elongation at Break	26 %	26 %	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1150 °C	2100 °F	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	0.65 %	0.65 %	
Carbon, C	0.060 %	0.060 %	
Chromium, Cr	21.65 %	21.65 %	
Cobalt, Co	11.85 %	11.85 %	
Iron, Fe	1.5 %	1.5 %	
Manganese, Mn	0.45 %	0.45 %	
Molybdenum, Mo	8.8 %	8.8 %	
Nickel, Ni	54.6 %	54.6 %	As Remainder
Phosphorous, P	0.012 %	0.012 %	
Silicon, Si	0.35 %	0.35 %	
Sulfur, S	0.0050 %	0.0050 %	
Titanium, Ti	0.10 %	0.10 %	

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