

Universal Wire Works 70S-2 Steel Welding Wire

Category : Metal , Ferrous Metal , Carbon Steel

Material Notes:

Universal 70S-2 is designed for TIG or MIG welding of all carbon steels. The tensile strength exceeds the base metal on single pass deposits on gaged carbon steel. Alloy 70S-2 is triple deoxidized using zirconium, titanium, and aluminum in addition to magnesium and silicon deoxidizers. Alloy 70S-2 is excellent for X-ray quality welds on carbon steels with CO₂ or Argon/CO₂ gas mixtures as the shielding gas. 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-70S-2-Steel-Welding-Wire.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	552 MPa	80000 psi	
Tensile Strength, Yield	483 MPa	70000 psi	
Elongation at Break	25 %	25 %	
Reduction of Area	50 %	50 %	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	0.030 %	0.030 %	
Carbon, C	0.060 %	0.060 %	
Iron, Fe	98 %	98 %	As Remainder
Manganese, Mn	1.25 %	1.25 %	
Phosphorous, P	0.011 %	0.011 %	
Silicon, Si	0.48 %	0.48 %	
Sulfur, S	0.017 %	0.017 %	
Titanium, Ti	0.080 %	0.080 %	
Zirconium, Zr	0.030 %	0.030 %	

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