

Universal Wire Works 70S-6 Steel Welding Wire

Category : Metal , Ferrous Metal , Carbon Steel

Material Notes:

Universal 70S-6 is designed for welding mild steels with CO2 shielding gas. This alloy should be used where low silicon mild steel wires have not been satisfactory on slightly contaminated base metals. The additions of manganese and silicon deoxidizers improves the weld soundness and impact properties of this alloy using CO2 shielding gas. Excellent for use in standard MIG, semi-automatic, and automatic applications. 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-6-Steel-Welding-Wire.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	517 MPa	75000 psi	
Tensile Strength, Yield	434 MPa	63000 psi	
Elongation at Break	28 %	28 %	
Charpy Impact	31.2 J	23.0 ft-lb	
	@Temperature -28.9 °C	@Temperature -20.0 °F	
	67.8 J	50.0 ft-lb	
	@Temperature -17.8 °C	@Temperature 0.000 °F	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.090 %	0.090 %	
Iron, Fe	97.3 %	97.3 %	As Remainder
Manganese, Mn	1.6 %	1.6 %	
Phosphorous, P	0.015 %	0.015 %	
Silicon, Si	0.95 %	0.95 %	
Sulfur, S	0.020 %	0.020 %	

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