

Universal Wire Works 309L Stainless Steel Electrode

Category : Metal , Ferrous Metal , Stainless Steel , T 300 Series Stainless Steel

Material Notes:

Universal 309L is the same as E309 with the exception of the carbon content. The lower carbon content permits this alloy when used in corrosive environments where it is necessary to protect against intergranular corrosion due to carbide precipitation without the use of stabilizers such as titanium or columbium. The deposited weld metal is not as strong in elevated temperatures as the standard 309 or the stabilized alloys. 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-309L-Stainless-Steel-Electrode.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	572 MPa	83000 psi	
Elongation at Break	40 %	40 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.030 %	0.030 %	
Chromium, Cr	23.4 %	23.4 %	
Iron, Fe	61.2 %	61.2 %	As Remainder
Manganese, Mn	1.8 %	1.8 %	
Nickel, Ni	13 %	13 %	
Silicon, Si	0.60 %	0.60 %	

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