

## Universal Wire Works 4043 (AMS 4190) Aluminum Alloy Filler Metal

Category : Metal , Nonferrous Metal , Aluminum Alloy

**Material Notes:**

Alloy 4043 is a 5% silicon aluminum alloy designed to weld many similar and dissimilar cast and wrought aluminum parts. This alloy is excellent for types 4043, 6063, 5052, 6061, 355, 356 and others. Extensively used with the gas tungsten arc and gas metal arc processes with Argon 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-4043-AMS-4190-Aluminum-Alloy-Filler-Metal.php](http://www.lookpolymers.com/polymer_Universal-Wire-Works-4043-AMS-4190-Aluminum-Alloy-Filler-Metal.php)

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	186 MPa	27000 psi	
Tensile Strength, Yield	124 MPa @Strain 0.200 %	18000 psi @Strain 0.200 %	
Elongation at Break	8.0 %	8.0 %	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	>= 93.15 %	>= 93.15 %	As Remainder
Beryllium, Be	0.00080 %	0.00080 %	
Copper, Cu	<= 0.30 %	<= 0.30 %	
Iron, Fe	<= 0.80 %	<= 0.80 %	
Magnesium, Mg	<= 0.050 %	<= 0.050 %	
Manganese, Mn	<= 0.050 %	<= 0.050 %	
Other	<= 0.15 %	<= 0.15 %	
Silicon, Si	5.2 %	5.2 %	
Titanium, Ti	<= 0.20 %	<= 0.20 %	
Zinc, Zn	<= 0.10 %	<= 0.10 %	

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