



Changzhou Giant Welding Co.,Ltd
www.giantweld.com

Standard: AWS A5.10 ER4043	Chemical Composition %									
	Si	Fe	Cu	Mn	Mg	Zn	Ti	AL	Other Each	Other Total
Grade ER4043	4.5 – 6.0	≤ 0.8	≤ 0.3	≤ 0.05	≤ 0.05	≤ 0.10	≤ 0.2	Rest	≤ 0.05	≤ 0.15
Type	Spool (MIG)					Tube (TIG)				
Specification (MM)	0.8、0.9、1.0、1.2、1.6、2.0					1.6、2.0、2.4、3.2、4.0、5.0				
Package	S100/0.5kg S270,S300/6kg-7kg					S200/2kg S360/20kg 5kg/box 10kg/box length :1000MM				
Mechanical Properties	Fusion Temperature ℃		Electrical IACS	Density g/mm3	Tensile Mpa		Yield Mpa		Elongation %	
	575 – 630		42%	2.68	130 – 160		70 – 120		10 – 18	
	Diameter (MM)		1.2		1.6			2.0		
MIG Welding	Welding Current - A		180 – 300		200 – 400			240 – 450		
	Welding Voltage- V		18 – 26		20 – 28			22 – 32		
TIG Welding	Diameter (MM)		1.6 – 2.4		2.4 – 4.0			4.0 – 5.0		
	Welding Current - A		150 – 250		200 – 320			220 – 400		
Performance characteris tics	5% content of Si, aluminum silicon alloy welding wire, has good fluidity. It is used for welding forging and casting materials because of low sensitivity to hot cracking.									
	It is easy to produce brittle Mg2Si in the weld seam during welding, which reduces the plasticity and corrosion resistance of the joint.									
	The welding is beautiful and bright, the arc is stable, the spatter is small, but after anodizing, the color is different from the base metal.									
Application	Recommended for welding 6061 ,6XXX series;3XXXand2XXX series aluminum alloy.									
Notice	1、The product can be kept for two years under the condition of factory packing and sealed, and the packing can be removed for three months under the usual atmospheric environment. 2、Products should be stored in a ventilated, dry and place. 3、After the wire is removed from the package, it is recommended that appropriate dust proof cover be applied over the wire.									

