



Changzhou Sanzhong Welding Materials Co.,Ltd

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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 °C		Electrical IACS	Density g/mm ³	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 characteristics	<p>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.</p> <p>It is easy to produce brittle Mg₂Si in the weld seam during welding, which reduces the plasticity and corrosion resistance of the joint.</p> <p>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.</p>									
Application	Recommended for welding 6061 ,6XXX series;3XXXand2XXX series aluminum alloy.									
Notice	<p>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.</p> <p>2、Products should be stored in a ventilated, dry and place.</p> <p>3、After the wire is removed from the package, it is recommended that appropriate dust proof cover be applied over the wire.</p>									



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