



Changzhou Sanzhong Welding Materials Co.,Ltd

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Standard: AWS A 5.7 AWS ERCuAl-A3	Chemical Composition %			
	Cu	Al	Fe	---
Grade ERCuAl-A3	Rest	10.0~ 11.5	2.0 ~ 4.5	---
Specification (MM)	0.8、 1.0、 1.2、 1.6、 2.0、 2.4、 3.2、 4.0、 5.0			
Package	5 kgs/plastic bag in a color box, 20kgs/carton, 1 ton in a pallet			
Mechanical Properties		Tensile Strength Mpa	Elongation %	
	Specification	580 ~ 680	18 ~ 25	
Specification	Mechanical Properties (Typical All-Weld-Metal, AWS A5.7 ERCuAl-A3): Tensile Strength: 620 MPa (90 ksi), Yield Strength (0.2% offset): 400 MPa (58 ksi), Elongation: 20% (50 mm gauge length), Hardness: 165~190 HB. Note: AWS A5.7 specifies chemical composition only; mechanical values are typical test results, not mandatory acceptance criteria.			
Application	Applications: Joining aluminum bronze base metals, welding brass, steel, cast iron, and various dissimilar metals . Also used for overlays on parts exposed to wear or corrosion, such as shafts, propellers, bushings, and valve seats . Corrosion Resistance: Provides good resistance to salt water and certain acidic conditions . Welding Processes: Suitable for Gas Metal Arc Welding (MIG / GMAW) . Shielding Gas: 100% Argon or a 75% Argon / 25% Helium mixture is recommended .			



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