

# TECHNIWELDUSA

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## TYPICAL MATERIAL TEST REPORT

ITEM CLASSIFICATION	
<b>ALLOY</b>	<b>SPECIFICATION</b>
ERCu	AWS A5.7
APPLICATIONS	
Used to fabricate deoxidized copper and repair weld copper castings Can also be used to weld galvanized steel and deoxidized copper to weld steel where high strength joints are not required	

TYPICAL CHEMICAL COMPOSITION					
ELEMENT	Si	Mn	P	Cu+Ag	
<b>AVERAGE</b>	0.50	0.50	0.15	98.0	

TYPICAL CHEMICAL COMPOSITION					
ELEMENT	Pb	Sn	Al	Other	
<b>AVERAGE</b>	0.02	1.0	0.01	0.50	

TYPICAL MECHANICAL PROPERTIES				
	Tensile Strength	Yield strength	Elongation	Reduction of Area
	(N/mm <sup>2</sup> )	(N/mm <sup>2</sup> )	%	%
	8,000 psi	29,000 psi	29%	45%