



AK ERCuNiAl

TIG/MIG

GB/T 9460 CuAl9Ni5Fe3Mn2

AWS A5.7 ERCuNiAl

EN ISO 24373 CuAl9Ni5Fe3Mn2

Application: Recommended for the welding and hard facing of copper-aluminum alloys, aluminum coated steel in machinery and chemical industry as well as for iron welding in shipbuilding. Also excellent for the welding of brass tube and copper-aluminum that requires resistance to erosion.

Typical Chemical Composition(%):

	Cu	Al	Fe	Mn	Ni	Pb	Si	Sn	Zn	Other
ISO 24373	bal.	8.5-9.5	3.0-5.0	0.6-3.5	4.0-5.5	0.02	0.10	—	0.10	0.50
AWS A5.7	bal.	0.01	3.0-5.0	0.6-3.5	4.0-5.5	0.02	0.10	—	0.10	0.50

Physical Properties Mechanical Properties:

Solids-Temperature	1015℃	Liquids-Temperature	1045℃
Density	7.5kg/dm ³	Tensile Strength	450-560N/mm ²
Elongation	10%	Brinell-Hardness	150-170HB