



GB/T 9460 CuAl7

AWS A5.7 ERCuAl-A1

EN ISO 24373 CuAl7

AK ERCuAl-A1

TIG/MIG

Application: Especially suitable for welding carbon steel and stainless steel. The fluidity of the molten metal is good, the weld shape is beautiful, and it is also suitable for butt welding of steel and copper. Applied to shipbuilding and machinery manufacturing, it is recommended to use pulsed argon arc welding when welding multi-layer steel interlayers.

Typical Chemical Composition(%):

	Cu	Al	Mn	Ni	P	Pb	Si	Sn	Zn	Other
ISO 24373	bal.	6.0-8.5	0.5	—	—	0.02	0.20	—	0.20	0.40
AWS A5.7	bal.	6.0-8.5	0.5	—	—	0.02	0.10	—	0.20	0.50

Physical Properties Mechanical Properties:

Solids-Temperature	1030℃	Liquids-Temperature	1040℃
Density	7.7kg/dm ³	Tensile Strength	380-450N/mm ²
Elongation	40-50%	Brinell-Hardness	100HB