

AK TH650NQ-II

Description: TH650NQ- II is a gas shielded solid welding wire specially used for C80 series large axle heavy-duty railway freight car steel plate S450EW. The atmos-pheric corrosion ability is more than 50% higher than that of ordinary Q450-NQR1 steel plate.

Application: Mainly used for welding of steel plate S450EW for C80 series large axle heavy-duty railway freight cars.

Typical Chemical Composition(%):

	C	Mn	P	S	Si	Ni	Cu	Cr	— —
Requirement	0.05	1.20	0.015	0.010	0.60	3.0-5.0	0.40	1.0-2.0	— —
Actual Result	0.006	0.85	0.008	0.008	0.42	4.2	0.21	1.45	— —

Typical Mechanical Properties :

	Tensile strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Requirement	≥ 650	≥ 500	≥ 15	≥34J(-40℃)
Actual Result	685	565	18	58