

AK H09CrCuSb

Description: H09CrCuSb is also known as ND steel, weathering steel.

Application: It is widely used in power plants and refineries to manufacture economizers, air preheaters, heat exchangers and evaporators that work in high-sulfur flue gas to resist condensation and corrosion of sulfur containing flue gas.

Typical Chemical Composition(%):

	C	Si	Mn	S	P	Cu	Cr	Sb	—
Actual Result	0.12	0.20-0.40	0.35-0.65	0.010	0.015	0.25-0.45	0.75-1.01	0.04-0.1	—

Typical Mechanical Properties:

	Tensile strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Actual Result	390-550	≥ 245	≥ 25	—