

AK ER55-1CM-Mn

Description: AK-ER55-1CM-Mn is a gas shielded welding wire for 1%Cr-0.5%Mo pearlitic heat-resistant steel. It uses CO₂ or Ar+5%-20%CO₂ for gas shielding. The deposited metal has good mechanical properties.

Application: It is suitable for the welding of 1%Cr-0.5%Mo heat-resistant steel with a welding working temperature below 530°C, and is often used in the welding of conventional thermal power stations, petrochemical equipment and other structures.

Typical Chemical Composition(%):

	C	Mn	P	S	Si	Cr	Cu	Mo	Ni
Actual Result	0.06-0.1	0.4-0.65	0.030	0.025	0.6-0.9	0.9-1.2	0.35	0.4-0.65	0.25

Typical Mechanical Properties :

	Tensile strength (MPa)	Yield Stress (MPa)	Elongation (%)	Impact Values (J)
Actual Result	≥ 550	≥400	≥ 20	≥ 27J (25 °C)