Size： 10-60

AK J301

Description: AKJ301 is a silicon-manganese type sintered flux with a basicity of about 1.0. It is black-gray round particles with a particle size of 10~60 mesh (about 2.0~0.28mm). It can be used for both DC and DC power supply, and the welding wire is connected to the positive pole when welding with DC power supply.The arc is stable, the weld shape is beautiful, the slag is easy to remove, and the deposited metal has excellent mechanical properties. It is especially suitable for welding various types of circular seams, with short slag and no flow phenomenon during welding.

Application: With corresponding welding wires (such as H08A, H08E, HO8MnA, etc.), it is mainly used for welding ordinary carbon steel and some low alloy steels (such as Q235, X65, etc.) structures and submerged arc welding of boiler pressure vessels, ships, bridges, oil pipelines, etc. The deposited metal has good low temperature impact toughness. It can be used for multi-pass welding, double-sided single-pass welding, and multi-wire submerged arc welding.

Typical Chemical Compostion(%):

	SiO2+TiO2	CaO+MgO	S	P	CaF2	Al2 O3+MnO	——	——	——
Requirement	——	——	——	——	——	——	——	——	——
Actual Result	25- 35	15- 25	0.06	0.08	5-15	30-40	——	——	——

Notes on Usages:

1. The flux must be baked at 300°C~350°C for 2 hours before use.

2. Before welding, rust, oil, water and other impurities on the weldment should be removed.