

ABSTRACT

This wire containing a flux for gas shield arc welding contains specific amounts, per total mass of the wire, of TiO_2 , Si, an Si oxide and an Si compound, C, Mo, Ni, Mg, and an Mg alloy, an F compound, a K compound, an Na compound, B and a B compound, Fe, Ti, and a Ti alloy, Al and an Al alloy, and V; additionally, the amount of Ti in a steel outer skin is regulated.