

Weldability And Corrosion Studies of AISI 316L

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Abstract : The corrosion behaviors of welded austenitic stainless steel 316L in 3,5% NaCl solution at room temperature have been assessed by linear and cyclic potentiodynamic polarization techniques. Chemical composition of the fusion zone was determined by spectroscopy method, microstructure before and after corrosion tests was analyzed by optical microscopy.

Keywords : austenitic stainless steel, corrosion, T.IG, NaCl solutions