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AS 2038-1977 Methods for detecting the susceptibility of austenitic stainless steels to intergranular corrosion

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Abbreviation

AS 2038-1977

Valid from

01/07/1977

Information provider

SAI Global

Author

Standards Australia

Information type

Australian Standard

Format

PDF

Cited By

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Description

This Standard describes procedures for detecting the susceptibility of austenitic stainless steel to intergranular corrosion in the presence of nitric acid and acidified copper sulphate in contact with copper. It includes details on the selection and preparation of test pieces, the compositions of the test solutions, and the step-by-step procedure for carrying out the test and assessing test results.

Scope

This standard describes two procedures for detecting the susceptibility of austenitic stainless steel products to intergranular corrosion, namely- (a) the Huey test involving treatment in boiling nitric acid, and (b) the Monypenny-Strauss test involving contact with copper in the presence of boiling copper sulphate/sulphuric acid solution.

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