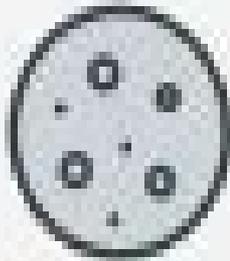
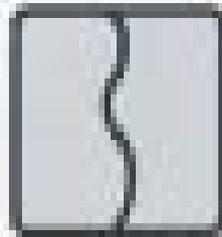


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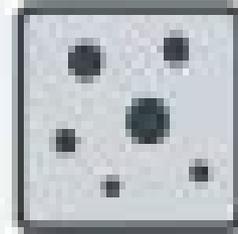
Gas Porosity



Shrinkage



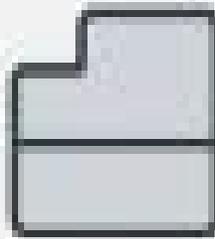
Cold Shut



Inclusion



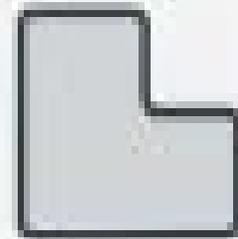
Hot Tear



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Manufacturing and Plant Engineering ICMMPPE 2018 which was held in Melaka Malaysia from the 14th to the 15th of November 2018 The proceedings discuss genuine problems concerning joining technologies that are at the heart of various manufacturing sectors In addition they present the outcomes of experimental and numerical works addressing current problems in soldering arc welding and solid state joining technologies

Principles of Metal Casting, Third Edition
Mahi Sahoo,Sam Sahu,2014-06-05 The definitive metal casting resource fully updated Written by prominent industry experts Principles of Metal Casting Third Edition addresses the latest advances in the field such as melting casting processes sand systems alloy development heat treatment and processing technologies New chapters cover solidification modeling casting defects and zinc and zinc alloys Detailed photographs illustrations tables and equations are included throughout Ideal for students and researchers in metallurgy and foundry science as well as foundry industry professionals this authoritative guide provides all of the information needed to produce premium quality castings Comprehensive coverage includes Patterns Casting processes Solidification of metals and alloys Gating and risering of castings Casting process simulation Aluminum and aluminum alloys Copper and copper alloys Magnesium and magnesium alloys Zinc and zinc alloys Cast irons Steel castings Cleaning and inspection Casting defects

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Metals Abstracts ,1997 *Light Metals 2011* Stephen Lindsay,2016-12-23 The Light Metals symposia are a key part of the TMS Annual Meeting Exhibition presenting the most recent developments discoveries and practices in primary aluminum science and technology Publishing the proceedings from these important symposia the Light Metals volume has become the definitive reference in the field of aluminum production and related light metal technologies Light Metals 2011 offers a mix of the latest scientific research findings and applied technology covering alumina and bauxite aluminum reduction technology aluminum rolling cast shop for aluminum production electrode technology and furnace efficiency

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