

Aluminum-silicon casting alloys: an atlas of microfractographs

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Abstrak

This atlas provides an in-depth understanding of the metallurgy and fracture behavior of aluminum-silicon casting alloys, which are used in a wide variety of automotive, aerospace, and consumer product applications. The atlas includes over 300 high-definition microfractographs of fracture profiles and fracture surfaces, accompanied with detailed descriptions and analysis of the fracture features and their significance in the selection, processing, properties, and performance of the alloy.