

目录

奥氏体化温度对双相ADI中残余奥氏体含量的影响

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摘要:

残余奥氏体对双相等温淬火球墨铸铁(ADI)的力学性能影响比较显著。为了进一步了解工艺-组织-性能的关系,利用X射线法研究了奥氏体化温度对双相ADI中残余奥氏体含量的影响。结果表明随着奥氏体化温度的升高,残余奥氏体的含量逐渐增大。

关键词: 奥氏体化温度 双相等温淬火球墨铸铁 奥氏体 力学性能

Effects of austempering on residual austenite content of dual phase ADI

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Abstract:

The residual austenite has significant influence on the mechanical properties of Dual Phase Austempered Ductile Iron (ADI). We address the effects of austenitizing temperature on the content of retained austenite in ADI with X-ray method to investigate the relationship between process, organization and performance. Results show that the content of retained austenite gradually increases with the increase of austenitizing temperature.

Keywords: austempering ADI austenite mechanical property

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