



400级热轧带肋钢筋质量判据若干问题探讨

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Discussion on problems in quality criteria of 400-grade hot rolled ribbed steel bar

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摘要 针对GB1499.2-2007第1号修改单XG1-2009对热轧带肋钢筋金相组织提出的要求, 对不同生产工艺条件两组外表无差别的400级热轧带肋钢筋按GB1499.2-2007/XG1-2009进行理化检验, 发现了两者金相组织不同, 从钢筋的化学元素、力学性能及焊接性能对其金相组织判定的可行性进行了分析, 对XG1-2009表述的明确性, 执行的可操作性进行了探讨。

关键词: 400级热轧带肋钢筋 化学元素 力学性能 焊接性能 金相组织

Abstract: According to the requirements on metallographic structure of hot rolled ribbed steel bar in No.1 amendment XG1-2009 of GB1499.2-2007, the physicochemical properties of two groups of 400-grade hot rolled ribbed steel bars (without difference on outward appearance) from different production process were tested. It was found that their metallographic structures were different. The feasibility analysis of metallographic structure evaluation was conducted from the chemical elements, the mechanical property and welding performance of steel bar. The definition of XG1-2009 expression and the operability of implementation were discussed.

Keywords: 400-grade hot rolled ribbed steel bar, chemical element, mechanical property, welding performance, metallographic structure

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