

Abstract

COMPOSITE ANTISEISMIC FIREPROOF BUILDING STEEL AND PREPARATION METHOD THEREOF

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The present invention discloses a composite antiseismic fireproof building steel, wherein it comprises the following chemical components by weight percentage: C: 0.08-0.16%, Si: 0.15-0.55%, Mn: 0.50-1.80%, Mo: 0.10-0.50%, Nb: 0.02-0.15%, V: 0.00-0.12% and Ti: 0.01-0.020%, and the rest are Fe and unavoidable impurities. The

10 present invention further designs a composite antiseismic fireproof building steel and a preparation method thereof. The composite antiseismic fireproof building steel and its preparation method thereof designed in the present invention can reduce the cost of alloy use, and have composite properties such as high strength, high toughness, seismic resistance, intelligent fire resistance and high heat input welding resistance,

15 etc.