Highest Grade Non-Heat Resistant Domain-Refined Grain-Oriented Electrical Steel: 23JGSE070

1. Introduction

I ece ea w, ☐ eaw ew ac e e ca b a eg ba «ca e a e acce e a ed en one a eg e ed we we f c www ab g ba a 🛛 g, a d eeg c we a eff won c an e we f a a e e g , a m e e me ed b ff m e d e ge e a-, a e ∞ g de A a ded. Eac a a ∞ eg a e ∞ eeffcec f a of Deo, caea D c⊠ e ee⊠e feec c e a so www.e⊠wS c′awf Ne effce c eg a wae 🛮 🏎 ed ef 🖺 f eT R e P g a 🛭 (Sec d E a a Sa dad, 2014) Jaa, e U ed Sae ad e Ec de g D ec e (T e 2, 2021) E e, a d f e w e g e g f eg a- $\mbox{ an } a_{\,\omega} \ e_{\,\varepsilon} \ ec \ ed \qquad e \ f \qquad e. \ F \qquad \mbox{ an } ea_{\,\omega} \ ,$ e, e e war ar e ed ega-eed eec cawee wedf ec e Mae aw fawf Mes, es g gea ceased de⊠adf Zagec d 🏿 a - ef ed 🔻 a e a ₅ · JFE S ee ... e JGSD Se e... 1, 2) f ea esson a d 🛛 a - ef ed 🖺 a e asson a a e a ⊠a f dce ea∞f ⊠e∞, cae beced a eag ea⊠e ,ad a cabe ∞ed a ea g ea A e f wac ed c e e a wf Mew, a d e JGSE Se ew f a d 🗓 a - ef ed 🖺 a e a ∞ a 🖺 ee e eed f a- a- a- a- a- e e be e e enforaced ce e and Den e ea ea g.

2. Properties of the Developed Material (23JGSE070)

T e wan feec ca an ee an an caban fed edd c e wan a d wn e enwn wan Edd c e an a cc and e a dc, ec e f ∞ a a ∞ f 🛛 e c e de AC e c a . T e effec e A eas es f ed c g edd c e son a e dec easing e un ee c essis, c easing e ec ca eman b ceam g e S c e f emee, edcg ega w, e, adef g 🛮 agecd 🖺 a. Te effec e palean en fedc g an e en an asa a e gecea es ees ees be g g g es, a d ceas g e age cf de s b e g e g e deg ee f eg a e g d ec f /110 <001> g a ω , c ω ca ed e G and ec a d an ear ag ag e ed. JFE S ee ad ed A ag e cd A a ef eA e b effce d c g ca so a e so ee so face, a d bega wa en f e JGSE Se en g ea ed ced 2014^{3} . S by e e , g f e 070 g ade g a a eed $W_{17/50} =$ 0.70 W/ g, c c d be ac e ed e c e a 🛚 a e a a_{ω} ee $c e_{\omega}$ $f 0.23 \square \square$.