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KAWASAKI STEEL GIHO

Vol. 23(1-nB183(1-T55D148A12 (.).6.3 (l3 (23()0s6 148A1>()T380 Td ()
subsequent rapid cooling with a Nb -bearing extra -low C steel (Nb(a
provide an intense >y111>{

fenders.

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Development of Bake Hardening High Strength

Cold-Rolled Sheet Steels for Automobile

Exposed Panels

要旨

As received	After press-forming	After bake-painting	より過剰の固溶Cが残存すると、鋼板の延性劣化と耐時効性の劣化が避けられない。第2の方法は C=0.005~0.010% の極低炭素 Al
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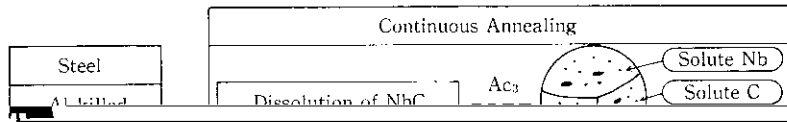


Table 1. Typical mechanical properties of continuously annealed

TABLE 1

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

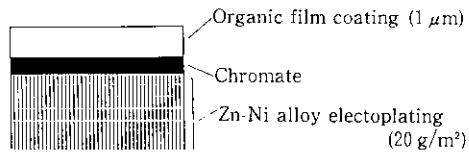
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



付硝化株を有しない板厚0.8mmの軟鋼板を田いむ 而す料を因由



Photo 2 Door outer panel press-formed by organic composite coated sheet steel with extra-deep drawability and bake-hardenability

(3) 同じ素材を用い、同様の成形が可能な焼付塗膜面形成。さらに、成形後の冷却時に材料特性の劣化がきわめて小さい。

インにより、超深絞り性と焼付硬化性を有する合金化溶融亜鉛

メッキ処理により、(4)の冷延鋼板を用いた成形

(5) 焼付塗装の加熱温度を通常の 170°C より約 30°C 低下させ

て、成形後の冷却による材料特性の劣化を抑制する。