Abridged version

KAWASAKI STEEL TECHNICAL REPORT No.42 (May 2000)

Development of 590 MPa Grade Galvannealed Sheet Steels with Dual Phase Structure

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Synopsis:

Kawasaki Steel has developed TS 590 MPa grade galvannealed sheet steels to reduce automobilie's weight and to improve anti-collision property of automotive bodies.

Although the steels were heat-treated in the heat cycle of a continuous galvntMo addition of 0.15% in con

steels showed total elongation of 30%, apparent decrease in yield ratio a weldability. Excellent surface quality of the coated steels was assured wettability by molten zinc during galvanizing, because no surface segret occurred on the steel surface during recrystallization annealing. Powdering the galvannealed coatings was sufficient for automobile exterior parameters in steel, which did not retard galvannealing reaction, propoductivity in continuous galvanizing lines.

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The body can be viewed from the next page.

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