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KAWASAKI STEEL GIHO

Vol.31 (1999) No.3

590 MPa (í œ5 ì P/% ³5,, u W A5đ Ę

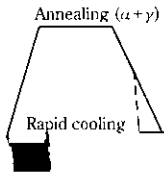
Development of 590 MPa Grade Galvannealed Sheet Steels with Dual Phase Structure

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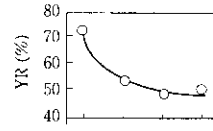
590 MPa 級合金化溶融亜鉛めっき鋼板*

川崎製鉄技報
31 (1999) 3, 181-184

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



F: Ferrite
P: Pearlite
B: Bainite
M: Martensite
Galvannealing (500°C)



12

Weld current

Light

Sticking

JIS 4 grade

1.0

C-Mn-Mo steel (Developed steel)

C-Mn-Si steel

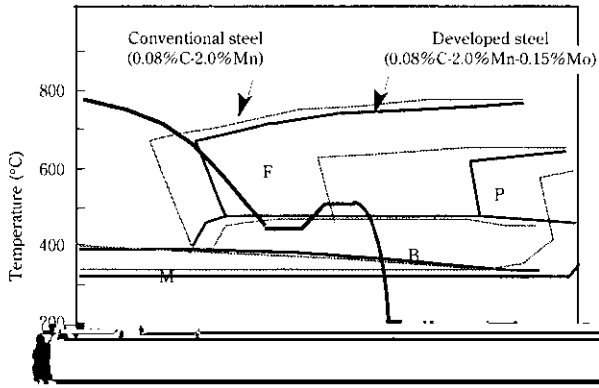


Table 2 Standard Gibbs free energy of formation of various oxides at 727°C⁽⁹⁾

Elements	Standard Gibbs free energy (kJ/mol)
Cr_2O_3	-864.0
Mn_3O_4	-1 041.0
MoO_2	-409.4
SiO_2	-731.2