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590 MPa Grade Galvanized Sheet Steels with Dual Phase Structure

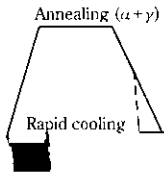
Development of 590 MPa Grade Galvanized Sheet Steels with Dual Phase Structure

800 Yen

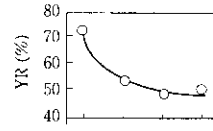
590 MPa 級合金化溶融亜鉛めっき鋼板\*

川崎製鉄技報  
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Development of 590 MPa Grade Galvanized Sheet Steels  
with Dual Phase Structure



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



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Weld current    Light    Sticking    JIS 4 grade

1.0    C-Mn-Mo steel (Developed steel)    C-Mn-Si steel

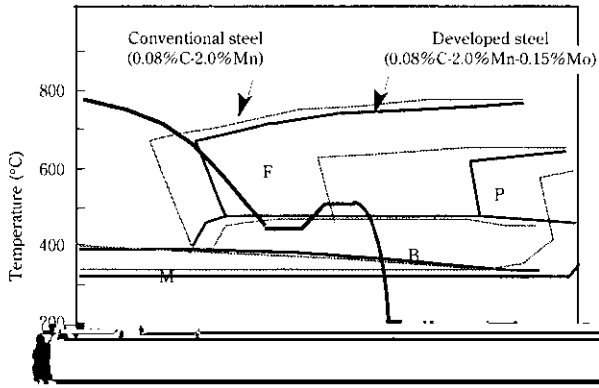


Table 2 Standard Gibbs free energy of formation of various oxides at 727°C<sup>(9)</sup>

Elements	Standard Gibbs free energy (kJ/mol)
Cr <sub>2</sub> O <sub>3</sub>	-864.0
Mn <sub>3</sub> O <sub>4</sub>	-1 041.0
MoO <sub>2</sub>	-409.4
SiO <sub>2</sub>	-731.2