

Abstract

A plated steel sheet comprises a plated layer on a surface of a steel sheet, in which in the plated layer, the total amount ΣA of Sn, Bi, and In is less than 0.75%, the total amount ΣB of Ca, Y, La, and Ce is 0.03 to 0.60%, the total amount ΣC of Cr, Ti, Ni, Co, V, Nb, Cu, and Mn is 0 to 1.00%, $\text{Sn} \leq \text{Si}$, and $20.0 \leq \text{Mg/Si}$ are satisfied, and in an X-ray diffraction pattern of a surface of the plated layer, an X-ray diffraction peak of $\text{Al}_{2.15}\text{Zn}_{1.85}\text{Ca}$, an X-ray diffraction peak of CaZn_2 , and an X-ray diffraction peak of η' - MgZn_2 satisfy a predetermined relationship.

[No suitable figure]