

A B S T R A C T

A steel sheet is disclosed, said steel sheet being made of a steel containing specific amounts of carbon, silicon, manganese, phosphorus, sulfur, nitrogen, and titanium, with said steel also satisfying the conditions of the following formulas:

$$(Ti^*/48)/(C/12 + S/32) = 0.8 \text{ to } 4.0$$

$$Ti^* = Ti - (48/14)N$$

of which, a steel sheet and manufacturing method thereof providing said steel sheet having excellent mechanical properties, forming and punch processability characteristics and internally including precipitates constituting mainly $Ti_4C_2S_2$, or $Ti_4C_2S_2$ and TiS . Said steel sheet further, formed with a zinc or galvanized surface and that surface is coated with anti-corrosive, fingerprint-resistant plastic covering.

This Sheet Has Been Replaced

