

THIS SHEET HAS BEEN
REPLACED

39

HEAT SHRINK BAND STEEL SHEET AND
MANUFACTURING METHOD THEREOF

ABSTRACT OF THE DISCLOSURE

A method is disclosed which is able to manufacture a heat shrink band which is capable of generating a tension for correcting deformation of the surface of a panel occurring attributable to air pressure and which has a satisfactory magnetic shielding characteristic. The manufacturing method has the steps of: hot-rolling and cold-rolling the steel containing elements in such a manner that $C \leq 0.005 \text{ wt\%}$, $2.0 \text{ wt\%} \leq Si \leq 4.0 \text{ wt\%}$, $0.1 \text{ wt\%} \leq Mn \leq 1.0 \text{ wt\%}$, $P \leq 0.2 \text{ wt\%}$, $S \leq 0.020 \text{ wt\%}$, $Sol.Al \leq 0.004 \text{ wt\%}$ or $0.1 \text{ wt\%} \leq Sol.Al \leq 1.0 \text{ wt\%}$ and $N \leq 0.005 \text{ wt\%}$; annealing the steel at 700°C to 900°C ; and cold-rolling the steel with a reduction ratio of 3% to 15%, wherein magnetic permeability μ satisfies $\mu \geq 250$ and yield stress YS satisfies $YS \geq 40 \text{ kgf/mm}^2$ after the steel has been heated and cooled after the cold rolling process when the magnetic force of a magnetic field is 0.3 Oe .

Figure 1

This Sheet Has Been Replaced

