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 $C \leq 0.005$ wt%, 2.0 wt% $\leq Si \leq 4.0$ wt%, 0.1 wt% $\leq Mn \leq 1.0$ wt%, $P \leq 0.2$ wt%, $S \leq 0.020$ wt%, $Sol.Al \leq 0.004$ wt% or 0.1 wt% $\leq Sol.Al \leq 1.0$ wt% and $N \leq 0.005$ 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 ≥ 40 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