

ABSTRACT

The non-oriented electrical steel sheet includes a composition in which α - γ transformation can occur, and the composition contains sol. Al: 0.3% ~ 0.7% and Ti: 0.0005% ~ 0.0020% with the contents of Si, Mn, and sol. Al being in a predetermined relationship, and when an area ratio of crystal grains in a $\{hkl\}\langle uvw \rangle$ orientation (within a tolerance of 10°) to the entire visual field when a steel sheet surface is measured by a scanning electron microscope equipped with electron back scattering diffraction (SEM-EBSD) is represented as $A_{hkl-uvw}$, $A_{411-011}$ is 15% or more, and the number density of precipitates is $0.0001 \text{ pieces}/\mu\text{m}^2 \sim 0.3000 \text{ pieces}/\mu\text{m}^2$.

[No figure]