

ABSTRACT

An adhesive resin composition-coated electrical steel sheet including a steel sheet, and adhesive resin composition coating on at least one surface of the steel sheet, wherein the adhesive resin composition coating is a semi-cured material of an adhesive resin composition consisting of an adhesive resin at least partly including a thermosetting resin, and a curing agent, maximum penetration λ of the adhesive resin composition coating at 100 to 300°C measured by thermomechanical analysis described in JIS K 7196:2012 is 3% or more and less than 100%, and a part of the curing agent exists in the adhesive resin composition coating in a crystalline state, and an area fraction of the curing agent in the crystalline state in a cross-section parallel to the surface of the steel sheet of the adhesive resin composition coating is 0.10 to 40%.

[No suitable figure]