[CLAIMS]

What is claimed is:

1. A coating composition for an electrical steel sheet, comprising an epoxy resin, an epoxy resin by latent curing agent, and a thermoplastic elastomer,

wherein the thermoplastic elastomer has a melting point of 100°C or higher and 200°C or lower and a bending elastic modulus of more than 5 MPa and 100 MPa or less, and

wherein the amount of the thermoplastic elastomer with respect to a total amount of 100 parts by mass of the epoxy resin and the epoxy resin by latent curing agent is 10 parts by mass or more and less than 40 parts by mass,

wherein the thermoplastic elastomer is at least one selected from among an olefin-based elastomer and a polyester-based elastomer.

2. An electrical steel sheet having an insulation coating formed by applying the coating composition for an electrical steel sheet according to claim 1 to the surface of a base steel sheet.

3. The electrical steel sheet according to claim 2,

wherein the base steel sheet has an average sheet thickness of 0.30 mm or less.

4. A laminated core in which a plurality of electrical steel sheets according to claim 2 or 3 are laminated and are adhered to each other.

5. An electric motor comprising the laminated core according to claim 4.