

[Abstract]

ADHESIVELY-LAMINATED CORE FOR STATOR, METHOD OF
MANUFACTURING SAME, AND ELECTRIC MOTOR

An adhesively-laminated core for a stator capable of suppressing an iron loss of
5 an electric motor and also having excellent productivity is provided. The adhesively-
laminated core for a stator includes a plurality of electrical steel sheets which are stacked
on one another and of which both surfaces are coated with insulation coatings, and
adhesion parts which are disposed between the electrical steel sheets adjacent to each
other in a stacking direction and cause the electrical steel sheets to be adhered to each
10 other. All sets of the electrical steel sheets adjacent to each other in the stacking
direction are adhered via the adhesion parts. An adhesive forming the adhesion parts is
a two-agent type acrylic-based adhesive (SGA) which includes an acrylic-based
compound, an oxidizer, and a reducer and in which a portion of the acrylic-based
compound and the oxidizer are assigned to a first agent and the remaining portion of the
15 acrylic-based compound and the reducer are assigned to a second agent. The adhesion
parts are partially provided between the electrical steel sheets adjacent to each other in
the stacking direction.

FIG. 3