

[Abstract]

ADHESIVELY-LAMINATED CORE FOR STATOR AND ELECTRIC MOTOR

Provided is an adhesively-laminated core for a stator including: a plurality of electrical steel sheets which have phosphate-based insulation coatings on surfaces thereof
5 and are overlapped coaxially with each other; and adhesion parts provided between the respective electrical steel sheets, an average thickness of the insulation coatings is 0.3 μm to 1.2 μm , an average thickness of the adhesion parts is 1.0 μm to 3.0 μm , and in a case where the average thickness of the insulation coating is defined as t_1 in a unit of μm , and the average thickness of the adhesion parts is defined as t_2 in a unit of μm , the following
10 Equation 1 is satisfied.

$$-4.3 \times t_1 + 3.6 \leq t_2 \leq -4.3 \times t_1 + 6.9 \cdots (\text{Equation 1})$$

FIG. 5