What is claimed is:

1. An adhesively-laminated core for a stator comprising:

a plurality of electrical steel sheets which have phosphate-based insulation coatings on surfaces thereof and are overlapped coaxially with each other; and

adhesion parts provided between the respective electrical steel sheets,

wherein 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 t1 in a unit of μm, and the average thickness of the adhesion parts is defined as t2 in a unit of μm, the following Equation 1 is satisfied, and

wherein an average tensile modulus of elasticity E of the adhesion parts is 1500 MPa to 4500 MPa, and

the average tensile modulus of elasticity E (MPa) and the average thickness t1 (μm) of the insulation coating satisfy the following Equation 2.

$$-4.3\times t1+3.6\leq t2\leq -4.3\times t1+6.9 \cdots \text{(Equation 1)}$$

$$-5000\times t1+4500\leq E\leq -5000\times t1+9000 \cdots \text{(Equation 2)}$$

2. The adhesively-laminated core for the stator according to claim 1,

wherein the average thickness t1 is 0.7 μm to 0.9 μm, and

the average thickness t2 is 1.2 μm to 2.6 μm.

3. The adhesively-laminated core for the stator according to claim 1,

wherein the average tensile modulus of elasticity E is 1800 MPa to 3650 MPa, and

the average thickness t1 is 0.7 μm to 0.9 μm.

4. The adhesively-laminated core for the stator according to claim 1 or 2, wherein the adhesion parts are room temperature curing type acrylic-based adhesives each containing SGA made of an elastomer-containing acrylic-based adhesive.

5. The adhesively-laminated core for the stator according to claim 1 or 2, wherein an average sheet thickness of the electrical steel sheets is 0.15 mm to 0.35 mm.

6. An electric motor comprising the adhesively-laminated core for the stator according to claim 1.