[CLAIMS]

[Claim 1]

An adhesively-laminated core for a stator comprising:

a plurality of electrical steel sheets laminated on each other and each coated on both sides with an insulation coating; and

an adhesion part disposed in a plurality of dots between each of electrical steel sheets adjacent to each other in a stacking direction and configured to cause the each of electrical steel sheets to be adhered to each other, wherein

a chemical component of the each of electrical steel sheets includes 2.5% to 3.9% by mass of Si,

an average tensile modulus of elasticity of each of adhesion parts is 2500 MPa to 5000 MPa, and

when an average sheet thickness of the each of electrical steel sheets is t1 in units of mm, an average thickness of the each of adhesion parts is t2 in units of μm, and an average value of yield strengths of the each of electrical steel sheets is YP in units of MPa, the following expressions 1, 2, 3, 4, and 5 are all satisfied.

$50\times t1-12 \leq t2 \leq 50\times t1-6 \cdots$ (expression 1)

$0.15 \leq t1 \leq 0.27 \cdots$ (expression 2)

$0.5 \leq t2 \leq 2.5 \cdots$ (expression 3)

$0.025\times YP-12 \leq t2 \leq 0.025\times YP-8 \cdots$ (expression 4)

$380 \leq YP \leq 540 \cdots$ (expression 5)

[Claim 2]

The adhesively-laminated core for a stator according to claim 1, wherein

the average sheet thickness t1 is in a range of 0.20 mm to 0.25 mm, and

the average thickness t2 is in a range of 1.0 μm to 2.0 μm.

[Claim 3]

The adhesively-laminated core for a stator according to claim 1, wherein

the average thickness t2 is in a range of 1.0 μm to 2.0 μm, and

the average value YP of the yield strengths is in a range of 450 MPa to 500 MPa.

[Claim 4]

The adhesively-laminated core for a stator according to any one of claims 1 to 3, wherein the each of adhesion parts contains an acrylic-based oil surface adhesive or an epoxy-based oil surface adhesive or a combination thereof as an oil component.

[Claim 5]

The adhesively-laminated core for a stator according to any one of claims 1 to 3, wherein the each of adhesion parts is an acrylic-based adhesive of a room temperature curing type containing a second generation acrylic adhesive (SGA) including an elastomer-containing acrylic-based adhesive.

[Claim 6]

An electric motor comprising the adhesively-laminated core for a stator according to any one of claims 1 to 5.