[CLAIMS]

[Claim 1]

A laminated core comprising:

a plurality of electrical steel sheets stacked on each other; and

an adhesion part provided between the electrical steel sheets adjacent to each other in a stacking direction and configured to adhere the electrical steel sheets to each other,

wherein the adhesion part partially adheres the electrical steel sheets adjacent to each other in the stacking direction,

wherein, in a case where a space between the electrical steel sheets adjacent to each other in the stacking direction is defined as a layer, in the two layers adjacent to each other in the stacking direction, the adhesion parts disposed in each of the two layers have different arrangement regions in a plan view seen in the stacking direction,

wherein the adhesion parts have portions where the arrangement regions overlap in a plan view seen in the stacking direction, and

wherein the number of the layers between the adhesion parts adjacent to each other in the stacking direction among the adhesion parts where the arrangement regions overlap in the stacking direction over all of the plurality of electrical steel sheets in the stacking direction is only N, which is a prime number.

[Claim 2]

The laminated core according to claim 1, wherein:

the electrical steel sheet includes an annular core back part, and a plurality of tooth parts which protrude from the core back part in a radial direction and are disposed at an interval in a circumferential direction of the core back part; and

the adhesion parts are provided on at least one of a stacking surface of the core back

part and a stacking surface of the tooth part.

[Claim 3]

The laminated core according to claim 1 or 2, wherein;

a stacking surface of the electrical steel sheet located at one end in the stacking direction among the plurality of electrical steel sheets is entirely adhered to a stacking surface of the electrical steel sheet adjacent to each other in the stacking direction; and

a stacking surface of the electrical steel sheet located at the other end in the stacking direction among the plurality of electrical steel sheets is entirely adhered to a stacking surface of the electrical steel sheet adjacent to each other in the stacking direction.

[Claim 4]

The laminated core according to any one of claims 1 to 3, wherein an average thickness of the adhesion part is 1.0μm to 3.0μm.

[Claim 5]

The laminated core according to any one of claims 1 to 4, wherein an average tensile modulus of elasticity E of the adhesion part is 1500MPa to 4500MPa.

[Claim 6]

The laminated core according to any one of claims 1 to 5, wherein the adhesion part is a room temperature adhesion type acrylic-based adhesive containing SGA made of an elastomer-containing acrylic-based adhesive.

[Claim 7]

An electric motor including the laminated core according to any one of claims 1 to 6.