[CLAIMS]

[Claim 1]

A laminated core comprising:

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

an adhesion part which is provided between the electrical steel sheets adjacent to each other in a stacking direction and on a surface of the electrical steel sheet which is directed in the stacking direction and adheres the electrical steel sheets to each other,

wherein the electrical steel sheet includes,

an annular core back part, and

a plurality of tooth parts which extend from the core back part in a radial direction of the core back part and are disposed at intervals in a circumferential direction of the core back part,

an adhesion region in which the adhesion part is provided is formed in the core back part of the electrical steel sheet,

the adhesion region extends in a direction along a magnetic flux passing through a region of the electrical steel sheet in contact with the adhesion region,

the core back part has a first portion and a second portion which are alternately arranged in the circumferential direction,

the first portion is radially connected to the tooth part outside the tooth part in the radial direction,

the second portion is located between the first portions in the circumferential direction, and

the adhesion region is formed in one of the first portion and the second portion.

[Claim 2]

The laminated core according to claim 1,

wherein in the first portion or the second portion in which the adhesion region

is provided,

blank regions in which the adhesion region is not formed are disposed on both sides of the adhesion region in the circumferential direction and both sides of the adhesion region in the radial direction.

[Claim 3]

The laminated core according to claim 1,

wherein the adhesion region is formed in the first portion, and

the adhesion region is not formed on both sides of the adhesion region in the circumferential direction.

[Claim 4]

The laminated core according to claim 3, wherein the adhesion region extends along a center line of the tooth part in the radial direction.

[Claim 5]

The laminated core according to claim 3 or 4, wherein:

the tooth part extends inward from the core back part in the radial direction,

the adhesion region extends radially inward from an outer end of the core back part in the radial direction, and

an inner end portion of the adhesion region in the radial direction is located radially outward from an inner end of the core back part in the radial direction.

[Claim 6]

The laminated core according to claim 1, wherein:

the adhesion region is provided in the second portion, and

the adhesion region is not formed on both sides of the adhesion region in the radial direction.

[Claim 7]

The laminated core according to claim 6, wherein the adhesion region extends in the circumferential direction.

[Claim 8]

The laminated core according to claim 6 or 7, wherein:

the tooth part extends inward from the core back part in the radial direction, and

the adhesion region is unevenly disposed outward of the core back part in the radial direction.

[Claim 9]

The laminated core according to any one of claims 1 to 8, wherein an average thickness of the adhesion part is 1.0 μm to 3.0 μm.

[Claim 10]

The laminated core according to any one of claims 1 to 9, wherein an average tensile modulus of elasticity E of the adhesion part is 1500 MPa to 4500 MPa.

[Claim 11]

The laminated core according to any one of claims 1 to 10, wherein the adhesion part is a room temperature adhesion type acrylic-based adhesive containing SGA made of an elastomer-containing acrylic-based adhesive.

[Claim 12]

An electric motor including the laminated core according to any one of claims 1 to 11.