WHAT IS CLAIMED IS:

1. A fixing belt having an endless shape for an electrophotographic image forming apparatus comprising:

a substrate; and

an elastic layer on the substrate,

the elastic layer containing a rubber and fillers dispersed in the rubber, assuming that five of binarized images each of which has a size of 150 μm × 100 μm on any positions of a first section in thickness-peripheral direction of the elastic layer, and five of binarized images each of which has a size of 150 μm × 100 μm on any positions of a second section in thickness-axial direction of the elastic layer are obtained, in each of the binarized images, the fillers are represented as white, and the rubber is represented as black,

among the fillers in the binarized images, fillers having a circle-equivalent diameter of 5 μm or more are defined as large-particle diameter fillers, and fillers having a circle-equivalent diameter of less than 5 μm is defined as small-particle diameter fillers,

and assuming that area ratios (%) of which total areas of the large-particle diameter fillers with respect to the respective binarized images' areas are calculated to obtain a plurality of area ratios of the large-particle diameter fillers, and area ratios (%) of which total areas of the small-particle diameter fillers with respect to the respective binarized images' areas are calculated to obtain a plurality of area ratios of the small-particle diameter fillers,

an average value of the area ratios of the large-particle diameter fillers is 20% or more and 40% or less, and the large-particle diameter fillers have an average array degree f_L of 0.00 or more and 0.15 or less,

an average value of the area ratios of the small-particle diameter fillers is 10% or more and 20% or less,

the small-particle diameter fillers have an average array degree f_S of 0.20 or more and 0.50 or less, and

the small-particle diameter fillers have an average array angle Φ_S of 60° or more and 120° or less.

2. The fixing belt according to claim 1, wherein a sum of the average value of the area ratios of the large-particle diameter fillers, and the average value of the area ratios of the small-particle diameter fillers, is 30% or more and 60% or less.

3. The fixing belt according to claim 1 or 2, wherein the elastic layer has a tensile modulus of 0.20 MPa or more and 1.20 MPa or less.

4. The fixing belt according to any one of claims 1 to 3, wherein the elastic layer has a thermal conductivity in a thickness direction of 1.30 W/(m·K) or more.

5. The fixing belt according to any one of claims 1 to 4, wherein the substrate contains at least one kind selected from the group consisting of nickel, copper, iron, and aluminum.

6. The fixing belt according to any one of claims 1 to 5, further comprising a surface layer on the elastic layer.

7. A heat fixing device comprising:

a heating member; and

a pressurizing member arranged to face the heating member,

wherein the heating member is the fixing belt according to any one of claims 1 to 6.

8. The heat fixing device according to claim 7, further comprising a heating unit configured to heat the substrate.

9. The heat fixing device according to claim 8, wherein the heating unit comprises an induction heating unit.

10. The heat fixing device according to claim 8, wherein the heating unit

comprises a heater configured to heat the substrate.

11. The heat fixing device according to claim 10, wherein the heater is arranged so as to be in contact with an inner peripheral surface of the heating member.