CLAIMS

1. A disk-shaped glass substrate to be used for manufacturing a glass substrate for an information recording medium,

a main surface of the disk-shaped glass substrate having an arithmetic average roughness Ra_2, when a wavelength region is set to 2.5 μm to 80 μm, within a range of 0.1 μm to 1.0 μm.

2. A disk-shaped glass substrate to be used for manufacturing a glass substrate for an information recording medium,

a main surface of the disk-shaped glass substrate having an arithmetic average roughness Ra_1, when a wavelength region is not set, within a range of 1 μm to 5 μm and an arithmetic average roughness Ra_2, when the wavelength region is set to 2.5 μm to 80 μm, within a range of 0.1 μm to 1.0 μm.

3. The disk-shaped glass substrate according to claim 1 or 2, which is used in a step of grinding with a fixed abrasive having diamond particles as a main component, which is one of the steps of manufacturing the glass substrate for the information recording medium.

4. The disk-shaped glass substrate according to any one of claims 1 to 3,

wherein the main surface of the disk-shaped glass substrate has a Vickers hardness of 610 kg/mm^2 or more.

5. A method for manufacturing a glass substrate for an information recording medium, the method comprising grinding the disk-shaped glass substrate according to any one of claims 1 to 4 with a diamond sheet.

6. A method for manufacturing an information recording medium, the method comprising:

grinding the disk-shaped glass substrate according to any one of claims 1 to 4

with a diamond sheet; and

forming a magnetic layer on the glass substrate.

7. The method for manufacturing an information recording medium according to claim 6, comprising forming the magnetic layer after forming a compressive stress layer on the glass substrate.