CLAIMS

1. A ceramic comprising, in mass %:

BN: 20.0 to 45.0%;

SiC: 5.0 to 40.0%; and

ZrO_2 and/or Si_3N_4: 3.0 to 60.0%, and wherein the ceramic has flexural strength of 200 MPa or more.

2. The ceramic according to claim 1, wherein the ceramic has a coefficient of thermal expansion at −50 to 500° C. of 1.0×10^{-6} to 5.0×10^{-6}/° C.

3. The ceramic according to claim 2, wherein the ceramic has a volume resistivity of 10^6 to 10^{14} Ω·cm.

4. The ceramic according to claim 3, wherein the ceramic has a coefficient of water absorption of 0.5% or less.

5. A probe guiding member that guides probes of a probe card, the probe guiding member comprising:

a plate-shaped main body that is made of the ceramic according to claim 4; and

the main body includes a plurality of through holes and/or slits through which the probes are to be inserted.

6. A probe guiding member that guides probes of a probe card, the probe guiding member comprising:

a plate-shaped main body that is made of the ceramic according to claim 3; and

the main body includes a plurality of through holes and/or slits through which the probes are to be inserted.

7. The ceramic according to claim 2, wherein the ceramic has a coefficient of water absorption of 0.5% or less.

8. A probe guiding member that guides probes of a probe card, the probe guiding member comprising:

a plate-shaped main body that is made of the ceramic according to claim 7; and

the main body includes a plurality of through holes and/or slits through which the probes are to be inserted.

9. A probe guiding member that guides probes of a probe card, the probe guiding member comprising:

a plate-shaped main body that is made of the ceramic according to claim 2; and

the main body includes a plurality of through holes and/or slits through which the probes are to be inserted.

10. The ceramic according to claim 1, wherein the ceramic has a volume resistivity of 10^6 to 10^{14} Ω·cm.

11. The ceramic according to claim 10, wherein the ceramic has a coefficient of water absorption of 0.5% or less.

12. A probe guiding member that guides probes of a probe card, the probe guiding member comprising:

a plate-shaped main body that is made of the ceramic according to claim 11; and

the main body includes a plurality of through holes and/or slits through which the probes are to be inserted.

13. A probe guiding member that guides probes of a probe card, the probe guiding member comprising:

a plate-shaped main body that is made of the ceramic according to claim 10; and

the main body includes a plurality of through holes and/or slits through which the probes are to be inserted.

14. The ceramic according to claim 1, wherein the ceramic has a coefficient of water absorption of 0.5% or less.

15. A probe guiding member that guides probes of a probe card, the probe guiding member comprising:

a plate-shaped main body that is made of the ceramic according to claim 14; and

the main body includes a plurality of through holes and/or slits through which the probes are to be inserted.

16. A probe guiding member that guides probes of a probe card, the probe guiding member comprising:

a plate-shaped main body that is made of the ceramic according to claim 1; and

the main body includes a plurality of through holes and/or slits through which the probes are to be inserted.

17. A probe card comprising:

a plurality of probes; and

the probe guiding member according to claim 16.

18. A socket for package inspection, wherein the socket for package inspection is made of the ceramic according to claim 1.

19. A ceramic comprising, in mass %:

BN: 36.0 to 55.0%;

SiC: 5.0 to 40.0%; and

Si_3N_4: 60.0% or less; and optionally comprising:

ZrO_2: 60.0% or less, where the total contents of Si_3N_4 and ZrO_2 is 3.0 to 60.0%, and wherein the ceramic has flexural strength of 200 MPa or more.

20. A ceramic comprising, in mass %:

BN: 25.0 to 55.0%;

SiC: 5.0 to 40.0%; and

Si_3N_4: 16.6% or less; and optionally comprising:

ZrO_2: 60.0% or less, where the total contents of Si_3N_4 and ZrO_2 is 3.0 to 60.0%, and wherein the ceramic has flexural strength of 200 MPa or more.