Claims

[Claim 1]

Long glass fiber comprising glass filaments formed of a glass composition for glass fiber,

the glass composition for glass fiber, comprising:

SiO_2 in a range of 35.00 to 50.00% by mass;

Al_2O_3 in a range of 12.00 to 28.00% by mass;

B_2O_3 in a range of 10.00 to 25.00% by mass;

MgO in a range of 2.00 to 18.00% by mass; and

CaO in a range of 5.00 to 25.00% by mass,

with respect to a total amount, wherein

a total content of MgO and CaO is in a range of 17.09 to 30.00% by mass,

a ratio of a content of M of MgO to a content of C of CaO (M/) is in a range of 0.29 to 1.92,

a content of S of SiO_2, a content of A of Al_2O_3, a content of B of B_2O_3, the C and the M satisfy the following formula:

$$23.8 \leq S \times (C + M)/(A + B) \leq 33.0$$

[Claim 2]

The long glass fiber according to claim 1, wherein a filament diameter of each of the glass filaments is less than 3.0 μm.

[Claim 3]

The long glass fiber according to claim 1 or 2, wherein the ratio of a content of MgO to a content of CaO (MgO/CaO) is in a range of 0.49 to 1.68.

[Claim 4]

A glass fiber woven fabric comprising the long glass fiber according to any one of claims 1 to 3.

[Claim 5]

A glass fiber-reinforced resin composition comprising the long glass fiber according to any one of claims 1 to 3.