

## **GLASS COMPOSITION FOR GLASS FIBERS, GLASS FIBERS, GLASS FIBER FABRIC, AND GLASS FIBER-REINFORCED RESIN COMPOSITION**

### **Abstract**

To provide a glass composition for glass fiber having a low dielectric loss tangent, suppressing the occurrence of phase separation, having a reduced viscosity at high temperatures, and reducing the occurrence of striae. The glass composition for glass fiber includes 52.0 to 57.5% by mass of SiO<sub>2</sub>, 19.5 to 25.5% by mass of B<sub>2</sub>O<sub>3</sub>, 8.0 to 13.0% by mass of Al<sub>2</sub>O<sub>3</sub>, 0 to 2.0% by mass of MgO, 0 to 6.0% by mass of CaO, 0.5 to 6.5% by mass of SrO, and 0.1 to 3.0% by mass of TiO<sub>2</sub>, the ratio of Al<sub>2</sub>O<sub>3</sub> to B<sub>2</sub>O<sub>3</sub> is 0.35 to 0.54, and the content SI of SiO<sub>2</sub>, the content B of B<sub>2</sub>O<sub>3</sub>, the content M of MgO, the content C of CaO, the content SR of SrO, and the content T of TiO<sub>2</sub> satisfy the following formula (1):  $6.90 \leq 100 \times (B/SI)^2 \times \{SR/(C+SR)\}^{2/3} \times \{T/(M+T)\}^{1/2} \leq 12.30$  (1).

No Figure