

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

ABSTRACT

Provided is a glass composition that enables glass fiber having excellent water resistance and dielectric characteristics to be obtained therefrom and has a sufficient working temperature range. The glass composition includes 59.00 to 65.00% by mass of SiO₂, 16.00 to 26.00% by mass of B₂O₃, 7.00 to 14.00% by mass of Al₂O₃, 0 to 5.00% by mass of CaO, 0 to 4.00% by mass of MgO, 0 to 6.00% by mass of SrO, 0.10 to 5.00% by mass of TiO₂, 0 to 2.00% by mass of F₂ and Cl₂ in total, less than 0.20% by mass of P₂O₅, and less than 1.00% by mass of Na₂O, K₂O and Li₂O in total, wherein the ratio of TiO₂ to the total content of CaO, MgO, and SrO (TiO₂/(CaO + MgO + SrO)) is from 0.66 to 4.00, and the content SI of SiO₂ and the content A of Al₂O₃ satisfy the following formula (1):

$$1.00 \leq 1000 \times A/SI^2 \leq 4.65 \quad (1).$$

No Figure