

GLASS COMPOSITION FOR GLASS FIBER, GLASS FIBER, GLASS FIBER
WOVEN FABRIC, AND GLASS FIBER REINFORCED RESIN COMPOSITION

Abstract

To provide a glass composition for glass fiber that includes biosolubility, can achieve long fiber formation, and can provide a glass filament with sufficiently high strength even when exposed to water and a high temperature and high humidity environment. The glass composition for glass fiber of the present invention includes 35.00 to 50.00% by mass of SiO_2 , 12.00 to 28.00% by mass of Al_2O_3 , 10.00 to 25.00% by mass of B_2O_3 , 2.00 to 18.00% by mass of MgO , and 5.00 to 25.00% by mass of CaO , with respect to the total amount, and the total content of MgO and CaO is 17.09 to 30.00% by mass and MgO/CaO is 0.29 to 1.92.

No Figure