

Abstract

Provided is a glass composition for glass fiber that enables molten glass with a low 1000 poise temperature, a wide working temperature range, and suppressed phase separation to be obtained, and that enables, when glass fiber is produced using the molten glass, glass fiber with a low coefficient of linear thermal expansion without deteriorating spinnability even if mass production is performed over a long period of time. The glass composition for glass fiber of the present invention includes 42.00 to 63.00% by mass of SiO_2 , 19.00 to 27.30% by mass of Al_2O_3 , more than 3.00% by mass and 13.00% by mass or less of ZnO , 6.50 to 19.00% by mass of P_2O_5 , 0.00 to 7.00% by mass of MgO , and 1.00% by mass or less in total of Li_2O , Na_2O , and K_2O , with respect to the total amount.

No Figure