

SURFACE-TREATED GLASS CLOTH, PREPREG, AND PRINTED WIRING BOARD

Abstract

Provided are a surface-treated glass cloth capable of enhancing insulation reliability when used to prepare a prepreg, a prepreg using the surface-treated glass cloth, and a printed wiring board using the surface-treated glass cloth. The surface-treated glass cloth includes a surface treatment layer on a surface, a glass constituting the glass cloth has a composition containing 52.0 to 60.0 mass% of SiO_2 , 15.0 to 26.0 mass% of B_2O_3 , 9.0 to 18.0 mass% of Al_2O_3 , 1.0 to 8.0 mass% of MgO , 1.0 to 10.0 mass% of CaO , 0 to 6.0 mass% of SrO , 0 to 6.0 mass% of TiO_2 , and 0.1 to 3.0 mass% in total of F_2 and Cl_2 , based on the total amount of the glass, the glass cloth has a surface coverage of 75.0 to 100.0% and a thickness of 8 to 95 μm , and the surface treatment layer contains a silane coupling agent having a methacrylic group and contains no surfactant.

Fig. 1