

ALKALI METAL-FREE ALUMINOBOROSILICATE GLASS  
AND ITS USE

ABSTRACT

An alkali metal-free aluminoborosilicate glass is described which has the following composition (in % by weight based on oxide):

SiO<sub>2</sub> 57 - 60; B<sub>2</sub>O<sub>3</sub> 6.5 - 9.5; Al<sub>2</sub>O<sub>3</sub> 14 - 17.5; MgO 5 - 8; CaO 1 - 4; SrO 5 - 8; BaO 0 - 3.5; with MgO + CaO + SrO + BaO 15 - 17; ZrO<sub>2</sub> 0.4 - 1.5; TiO<sub>2</sub> 0.4 - 1.5; CeO<sub>2</sub> 0.1 - 0.5; SnO<sub>2</sub> 0.2 - 1.

The glass is particularly suitable for use as a substrate glass in display technology.