

ABSTRACT

A HDD glass substrate of the present invention is characterized in that it includes a glass composition having, by mol%, the following content range: 60% to 75% of SiO₂; 0.1% to 6% of Al₂O₃; 0% to 3% of B₂O₃; 0.1% to 5% of Li₂O; 0.1% to 6% of Na₂O; 0.1% to 5% of K₂O; 5% to 18% of MgO; 0.1% to 10% of CaO; 0% to 5% of ZnO; 0% to 5% of TiO₂; and 0.1% to 5% of ZrO₂, the glass composition satisfying the following conditions:

- 0.01 < (ZrO₂ + TiO₂)/(SiO₂ + Al₂O₃ + B₂O₃) < 0.15;
0.1 < Li₂O/(Li₂O + Na₂O + K₂O) < 0.8; and
0.3 mol% < (Li₂O + Na₂O + K₂O) < 15 mol%.