

Title (en)
BOROSILICATE GLASS WITH HIGH CHEMICAL RESISTANCE AND USE THEREOF

Title (de)
BOROSILICATGLAS HOHER CHEMISCHER BESTÄNDIGKEIT UND DESSEN VERWENDUNGEN

Title (fr)
VERRE BOROSILICATE A HAUTE RESISTANCE CHIMIQUE ET SES UTILISATIONS

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Application
EP 01956543 A 20010718

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Abstract (en)
[origin: WO0208134A1] The invention relates to a borosilicate glass with high chemical resistance, with a composition (in wt. %, based on oxide) of $\text{SiO}_2 < 70 - 77$; $\text{B}_2\text{O}_3 < 6 - < 11.5$; $\text{Al}_2\text{O}_3 < 4 - 8.5$; $\text{Li}_2\text{O} < 0 - 2$; $\text{Na}_2\text{O} < 4 - 9.5$; $\text{K}_2\text{O} < 0 - 5$; with $\text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O} < 5 - 11$; $\text{MgO} < 0 - 2$; $\text{CaO} < 0 - 2$; with $\text{MgO} + \text{CaO} < 0 - 3$; $\text{ZrO}_2 < 0 - < 0.5$ and $\text{CeO}_2 < 0 - 1$. The glass is particularly suitable as a pharmaceutical primary packaging.

IPC 1-7
C03C 3/091; **C03C 3/093**; **C03C 3/095**; **C03C 4/20**

IPC 8 full level
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