

a 2003 0018

The invention relates to the glass industry, namely to the glass that can be used for manufacture of containers.

Summary of the invention consists in that the composition on base of  $\text{SiO}_2$ ,  $\text{Na}_2\text{O}$ ,  $\text{CaO}$ ,  $\text{Al}_2\text{O}_3$  and colouring agents contains the following oxidic ratio, wt %:

$\text{SiO}_2$  65,00...73,40

$\text{Na}_2\text{O}$  10,00...14,00

$\text{CaO}$  8,00...13,00

$\text{Al}_2\text{O}_3$  1,10...5,50

$\text{MgO}$  0,06...1,20

$\text{K}_2\text{O}$  0,03...0,35

$\text{SO}_3$  0,07...0,50

$\text{P}_2\text{O}_5$  0,01...0,10

$\text{Fe}_2\text{O}_3$  2,50...3,50

$\text{Cr}_2\text{O}_3$  0,30...0,50

$\text{MnO}$  0,10...0,70

$\text{NiO}$  0,04...0,06.

The result of the invention consists in enhancing the chemical stability and improving the physical and mechanical properties of the glass, as well as of the production quality, in expanding the raw material base and the colour gamma in the glass industry.

Claims: 1