Glass GS30

Technical Data

GlassType/Application	Transition glass. SCHOTT glass no. 8219

Physical Data (approx. value)

Coefficient of mean linear thermal expansion		
α(20°C; 300°C) (ISO 7991)	3.05	$10^{-6}K^{-1}$
Glass temperature at viscosity η in dPa·s		
$10^{14.7}$ (strain point) (ISO 7884-4)	570	°C
$10^{13.2}$ (annealing point) (ISO 7884-4)	635	°C
$10^{7.6}$ (softening point) (ISO 7884-3)	1055	°C
10^{4} (working point) (ISO 7884-3)	1570	°C
Density (DIN 66137-2)	2.24	g/cm³
Log of the electric volume resistivity (Ω·cm)		
at 250°C	10.8	
at 350°C	9.1	
t_{k100}	440	°C

Chemical Composition (components in approx. weight %)

SiO_2	B_2O_3	Al_2O_3	BaO	CaO	K_2O	Fe_2O_3
78.5	10.5	5	2	1	3	<0.1

The heavy metal content for the elements lead, cadmium, mercury and hexavalent chromium is below 100 ppm.

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