

SCHOTT GS20

Technical Data

Glass Type/Application	Transition glass.		
Physical Data (approx. value)	Coefficient of mean linear thermal expansion		
	$\alpha(20^{\circ}\text{C}; 300^{\circ}\text{C})$ (ISO 7991)	1.90	10^{-6}K^{-1}
	Glass temperature at viscosity η in dPa·s		
	$10^{14.7}$ (strain point) (ISO 7884-7)	645	$^{\circ}\text{C}$
	10^{13} (annealing point) (ISO 7884-4)	730	$^{\circ}\text{C}$
	$10^{7.6}$ (softening point) (ISO 7884-3)	1175	$^{\circ}\text{C}$
	10^4 (working point) (ISO 7884-2)	1680	$^{\circ}\text{C}$
	Density (DIN 66137-2)	2.22	$\text{g} \cdot \text{cm}^{-3}$
	Log of the electric volume resistivity ($\Omega \cdot \text{cm}$)		
	at 250°C	11.1	
	at 350°C	9.4	
	t_{k100}	465	$^{\circ}\text{C}$
The heavy metal content for the elements lead, cadmium, mercury and hexavalent chromium is below 100 ppm.			