

Glass GS10

Technical Data

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|----------------------------------|---|------|------------------------|
| GlassType/Application | Transition glass. SCHOTT glass no. 8213 | | |
| Physical Data (approx. value) | Coefficient of mean linear thermal expansion | | |
| | $\alpha(20^{\circ}\text{C}; 300^{\circ}\text{C})$ (ISO 7991) | 1.25 | 10^{-6}K^{-1} |
| | Glass temperature at viscosity η in dPa·s | | |
| | $10^{14.7}$ (strain point) (ISO 7884-4) | 635 | $^{\circ}\text{C}$ |
| | 10^{13} (annealing point) (ISO 7884-4) | 730 | $^{\circ}\text{C}$ |
| | $10^{7.6}$ (softening point) (ISO 7884-3) | 1195 | $^{\circ}\text{C}$ |
| | 10^4 (working point) (ISO 7884-3) | 1710 | $^{\circ}\text{C}$ |
| | Density (DIN 66137-2) | 2.17 | g/cm^3 |
| | Log of the electric volume resistivity ($\Omega \cdot \text{cm}$) | | |
| | at 250°C | 10.5 | |
| | at 350°C | 8.9 | |
| | t_{k100} | 420 | $^{\circ}\text{C}$ |
| | The heavy metal content for the elements lead, cadmium, mercury and hexavalent chromium is below 100 ppm. | | |