GR8415 – Technical Data - Radiation Shielding Lead Glass

The Pb values have been measured at 150 kV. Non-standard sizes, cuts and other lead equivalents available upon request.

- Optical properties
  - Refractive index $n_e$ at 20°C (annealed at 40°C/h) 1.79
  - Luminous transmittance ($d = 5.0$ mm) 85 %

- Chemical properties
  - Hydrolytic resistance according to DIN ISO 719 HGB 1
  - Lead oxide content (PbO) ≥ 65 %
  - Heavy metal oxide content in total ≥ 70 %

- Mechanical properties
  - Density in g/cm$^3$ (delivered condition) ≥ 5.05

- Processing
  - The surface of the glass is polished and all edges are chamfered.

<table>
<thead>
<tr>
<th>Thickness in mm</th>
<th>Attenuation equivalent in mmPb at a tube voltage of:</th>
<th>Max. Weight in kg/m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.0 - 7.0</td>
<td>80 kV</td>
<td>100 kV</td>
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<tr>
<td></td>
<td>≥ 1.5</td>
<td>≥ 1.5</td>
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