**GR8420 – Technical Data - Radiation Shielding Lead Glass**

High-quality, radiation protection lead glass, in accordance with IEC 61331-2:2014. 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/cm³ (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>70 - 90</th>
<th>80 kV</th>
<th>100 kV</th>
<th>110 kV</th>
<th>150 kV</th>
<th>200 kV</th>
<th>Max. Weight in kg/m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attenuation equivalent in mmPb at a tube voltage of:</td>
<td>≥ 2.1</td>
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<td>≥ 2.1</td>
<td>≥ 2.1</td>
<td>45</td>
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