LX-57B X-Ray Shielding Glass

LX-57B X-Ray Shielding Lead Glass offers excellent radiation protection and superb visual clarity. The polished surfaces are scratch resistant, and LX-57B does not discolor due to radiation. LX-57B is high quality optical grade, lead barium type, X-Ray Shielding Lead Glass that consists of over 60% heavy metal oxide that includes a minimum of 55% PbO. LX-57B comes in a variety of thicknesses: LX7 (1/4” / 7 mm) is used in most X-ray radiation applications. LX9 (3/8” / 9 mm), LX14 (9/16” / 14 mm), LX15 (9/16” / 15 mm), and LX17 (11/16” / 17 mm) are used when greater protection is required, for example, in cancer/fluoroscopic treatment facilities. For safety requirements, LX57B is available in a variety of safety-rated configurations.

APPLICATIONS

- Medical Facilities
- Laboratories
- Airports
- Screens for Radiation Protection

<table>
<thead>
<tr>
<th>Thickness</th>
<th>LX7</th>
<th>LX7 NT</th>
<th>LX7 LAMINATED</th>
<th>LX9</th>
<th>LX9 NT</th>
<th>LX9 LAMINATED</th>
<th>LX14</th>
<th>LX15</th>
<th>LX17</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4” (7 mm)</td>
<td>1/4” (7 mm)</td>
<td>7/16” (11 mm)</td>
<td>3/8” (9 mm)</td>
<td>3/8” (9 mm)</td>
<td>1/2” (13 mm)</td>
<td>9/16” (14 mm)</td>
<td>9/16” (15 mm)</td>
<td>11/16” (17 mm)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Lead Equiv. (mmPb)</th>
<th>1.6</th>
<th>1.6</th>
<th>1.6</th>
<th>2</th>
<th>2</th>
<th>2</th>
<th>3</th>
<th>3</th>
<th>3.2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Density</td>
<td>0.06 oz/in² (4.36 gm/cm²)</td>
<td>0.06 oz/in³ (4.36 gm/cm³)</td>
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<tr>
<td>Weight</td>
<td>6.55 lb/ft² (32.0 kg/m²)</td>
<td>6.55 lb/ft² (32.0 kg/m²)</td>
<td>7.58 lb/ft² (37.0 kg/m²)</td>
<td>8.19 lb/ft² (40.0 kg/m²)</td>
<td>8.19 lb/ft² (40.0 kg/m²)</td>
<td>9.46 lb/ft² (46.2 kg/m²)</td>
<td>12.56 lb/ft² (61.3 kg/m²)</td>
<td>13.11 lb/ft² (64.0 kg/m²)</td>
<td>14.46 lb/ft² (70.6 kg/m²)</td>
</tr>
<tr>
<td>X-Ray Peak Voltage (KV)</td>
<td>150</td>
<td>150</td>
<td>150</td>
<td>150</td>
<td>150</td>
<td>200</td>
<td>200</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td>Max. Available Sheet Size</td>
<td>48” x 96” (1,220 mm x 2,440 mm)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>CAT I (Filmed)</td>
<td>N/A</td>
<td>1.296 in² (.84 m²) (max. size)</td>
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<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>CAT II (Laminated)</td>
<td>N/A</td>
<td>N/A</td>
<td>Yes</td>
<td>N/A</td>
<td>N/A</td>
<td>Yes</td>
<td>N/A</td>
<td>Yes</td>
<td>N/A (No Test Data)</td>
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</table>

LX7 may be installed in a double assembly for greater protection. Please call for further details.