



## X-RAY SHIELDING LEAD GLASS TECHNICAL DATA SHEET

### Materials

lead barium type glass of high optical grade with over 60 percent heavy metal oxide, at least 55 percent PbO. It offers high light transmission and does not discolor due to radiation.

### Properties – 7mm, 9mm, 15mm, 17mm

Minimum density: 4.36 (g/cm<sup>3</sup>)

Refractive index (Nd): 1.71

Thermal expansion coefficient: 80 X 10<sup>-7</sup> /°C (30-380°)

Knoop hardness: 370

### Thickness and Lead Equivalents

Thickness (mm)	7mm	9mm	14mm	17mm
Lead Equivalent (in)	1/16"	*5/64"	*7/64"	*1/8"
Lead Equivalent (mmPb)	1.6	2.0	3.0	3.3
X-Ray Tube Peak (kV)	150	150	200	200
Weight (lbs./sq.ft.)	6.5	8.1	12.5	14.8
Laminated	No	No	No	Yes (7mm+9mm)

\*Lead equivalent is guaranteed in (mmPb). The converted fraction (in.) is less than the lead equivalent (mmPb); fraction is over-coverage.

To calculate the values of the range of "Lead Equivalent (lbs./sq.ft.)," we converted from the values of the "Lead equivalent (mmpb)" using the mentioned figures and rounded off the fractions to one decimal place. 1 foot = 30.48 cm / 1 pound = 453.59 g/ Density of lead = 11.3 (m/cm<sup>3</sup>)

Stock sizes are available up to 48" X 96"

Ask about Saf-T-Lite and LX Premium