



LX-57B X-RAY SHIELDING LEAD GLASS TECHNICAL DATA SHEET

Materials

LX-57B is a lead barium type glass of high optical grade with over 60 percent heavy metal oxide, including at least 55 percent PbO. It offers high light transmission and does not discolor due to radiation. The hard polished surfaces have greater resistance to scratching.

Properties – 9mm LX-57B

Minimum density: 4.36

Refractive index (Nd): 1.71 /° C (30-380°)

Mohs' hardness: 6

Thickness and Lead Equivalents

Thickness (mm)	8mm	11mm	14mm
Lead Equivalent (mmPb)	1.8 – 2.0	2.5 – 2.7	3.0 – 3.2
X-Ray Tube Peak (kV)	150	150	150
Lead Equivalent (lbs./sq.ft.)	4.2 – 4.6	5.8 – 6.2	6.9 – 7.4
Minimum Density (gm/cm ³)	4.36	4.36	4.36
Weight (lbs./sq.ft.)	7.1	9.8	12.5

To calculate the values of the range of "Lead Equivalent (lbs.sq.ft)", we converted from the values of the range of "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 gm / Density of lead = 11.3 (gm/cm³).

Standard Sizes for Leaded X-Ray Glass

8 x 10

10 x 10/10 x 12

12 x 12/12 x 16/12 x 20/12 x 24

14 x 18

16 x 20/16 x 24

18 x 24/18 x 26

20 x 24

24 x 24/24 x 30/24 x 36/24 x 48

30 x 30/30 x 36

32 x 40

36 x 36/36 x 48/36 x 60/36 x 72/36 x 84/36 x 96

48 x 48/48 x 60/48 x 72/48 x 84/48 x 96

In addition to the above sizes, any size can be ordered up to 48" x 96".