



# Core Material Information

Material	Lead Equivalence	Attenuation (%)						Weight Kg/M <sup>2</sup>
		50 kVp	70 kVp	90 kVp	110 kVp	120 kVp	150 kVp	

Lightweight Lead is a popular solution that provides the highest level of protection at a very reasonable price.

 <p>LIGHTWEIGHT LEAD</p>	0.25 mm Pb	98.8	95.1	90.7	87.5	86.2	82.7	3.3
	0.35 mm Pb	99.7	97.6	94.5	92.3	91.3	88.6	4.6
	0.5 mm Pb	* >99.9	99.1	97.4	96.1	95.5	93	6.6

Our ultralight Edge Bilayer - Lead Free solution, By layering Antimony with Bismuth it provides a superior level of protection that conforms to the highest standards at the lowest weights.

 <p>LEAD FREE</p>	0.25 mm Pb	98.7	96.1	92	87.8	85.8	80.1	2.68
	0.35 mm Pb	99.6	98.0	95.3	92.7	91.5	88.1	3.75
	0.5 mm Pb	* >99.9	99.4	97.8	96.3	95.5	93	5.38

Testing in accordance with BS EN 61331-1:2014 using inverse broad beam geometry.

Performed by the National Physics Laboratory in 2015  
 Figures are for guidance and all materials passed the relevant testing.

\* The response of the ionisation chamber was too low to record a value accurately.  
 This value was extrapolated from a straightline fit of the 70-150kV values.