



LEAD-LT

Lightweight Lead
60 - 150 kV

Standard lead protection material
High quality, flexible

Hardwearing vinyl matrix for long lasting protection.

For applications in the upper X-ray tube voltage range, e.g. CT applications

Compliant with standards:
IEC 61331-1:2014 BBG*

BILAYER-ET

Earth Metal Bilayer
60 - 110 kV

Bilayer construction provides better levels of protection than composite lead free core materials.

Outstanding rating with regard to weight and radiation protection.

Tested radiation protection in the X-ray tube voltage range of 60 - 110 kV

Compliant with standards:
IEC 61331-1:2014 BBG*

BILAYER-LF

Lead Free Bilayer
60 - 110 kV

Bilayer construction provides better levels of protection than composite lead free core materials.

Lead-free protective material
Outstanding rating with regard to weight and radiation protection.

Tested radiation protection in the X-ray tube voltage range of 60 - 110 kV

Compliant with standards:
IEC 61331-1:2014 BBG*

		δm BBG mm					Target Weight Kg/M ²
Lead Equivalence		60 kVp	70 kVp	90 kVp	110 kVp	150 kVp	
LEAD-LT	0.25 mm Pb	0.241	0.241	0.241	0.244	0.246	3.43
	0.35 mm Pb	0.342	0.344	0.347	0.346	0.349	4.80
	0.5 mm Pb	0.490	0.492	0.495	0.5	0.496	6.60
BILAYER-ET	0.25 mm Pb	0.250	0.262	0.259	0.244		2.90
	0.35 mm Pb	0.425	0.392	0.346	0.345		4.05
	0.5 mm Pb	0.651	0.618	0.572	0.519		5.8
BILAYER-LF	0.25 mm Pb	0.232	0.272	0.304	0.294		2.83
	0.35 mm Pb	0.326	0.386	0.433	0.394		4.12
	0.5 mm Pb	0.575	0.566	0.567	0.518		5.66

Testing in accordance with BS EN 61331-1:2014 BBG* using inverse broad beam geometry.
Figures are for guidance and all materials passed the relevant testing.
For full report, please e-mail sales@rothband.com

* 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.
** Weights are based upon testing up to 110kV and indicative. The test weights up to 150kV are heavier than noted here.