

Shielding International

TECHNICAL DATA: X-Ray Inspection Machine Curtain Material

XCURTAIN - (Lead Vinyl Curtain)

Features	This material was developed for x-ray inspection machines to shield from radiation. The outer cover is very durable quality vinyl with low friction. Tensile strength, tear resistance and elongation are all suitable to the application of x-ray inspection machines. Available in a variety of lead equivalencies to suit the x-ray application and user (i.e., 0.25mm Pb, 0.35mm Pb, 0.5mm Pb, 0.7mm Pb, 0.8mm Pb and 1.0mm Pb)
Product Composition	Flexible leaded vinyl sheeting with PVC vinyl outer covering. Finished sheets are die cut to customers engineering specifications. Thickness may vary slightly depending on availability/gauge of vinyl cover.
Lamination	Outer covering and inner core material are bonded at pressures greater than 2000# per square inch at temperatures approaching 320 ° F.
Bonding Agent	PVC vinyls
Color	Available in Black
Equivalency & Testing	Pb Equivalency +/- 10%. Testing performed at 80, 100 and 120KVp in a non-filtered beam. Tested in accordance to ASTM Standard Test Method for: Determining the Attenuation Properties in a Primary X-ray Beam of Materials Used to Protect Against Radiation Generated during the Use of X-ray Equipment (Designation: F 2547- 06).

The information in this Technical Data Sheet is the result of over 40 years of experience in the x-ray protective industry. The information on this product contains general details and the suitability of the material for specific application is subject to tests on such applications. Applications where material is subjected to specific chemical contact or temperature extremes should be checked by practical tests. Some variation to the forgoing physical data given is possible.

