



Radiation Products Design, Inc.

Leaded Acrylic 3300

General Characteristics:

Leaded Acrylic is a lead-containing acrylic sheet developed for use as an optically transparent radiation shield. Lead is introduced into the resin as an organolead salt producing a 30%/wt. Lead-acrylic copolymer.

Changing the thickness of the sheet provides lead equivalencies of 0.3, 0.5, 0.8, 1.0, 1.5, and 2.0 mm Pb. Any size up to 72" x 96" can be supplied. Its lightly tinted brown color has an eye-ease effect, and its low refractive and reflective indices result in less distortion and reflection when compared to lead glass.

High resistance to shattering contributes to its ease of handling and use in large continuous panels, allowing unobstructed views of patients and equipment. When exposed to Co-60 gamma radiation of 1×10^5 R, leaded acrylic has no observed deterioration of its physical properties.

Leaded acrylic can be cut, drilled or machined using standard acrylic handling techniques.

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