

DATA SHEET

SCHOTT® RD30

RD 30: Lead equivalents in mm Pb and delivery sizes

Thickness inches (mm)	Attenuation equivalent in mm Pb at a tube voltage of:						Maximum weight lbs per ft ² (kg per m ²)	Maximum dimensions inches × inches (mm × mm)
	50 kV	56 kV	76 kV	80 kV	110 kV	150 kV		
0.24 ± 0.01 (6.0 ± 0.25)	≥ 0.5	≥ 0.5	≥ 0.5	≥ 0.5	≥ 0.5	≥ 0.5	44.09 (20)	92.52 × 64.96 (2,350 × 1,650)

Technical data for RD 30

Optical properties:

Refractive index n_e at 20 °C (annealed at 40 °C/h) 1.579
Luminous transmittance (d = 6.0 mm) 90,5 %

Chemical properties:

Hydrolytic resistance according to DIN ISO 719 HGB 3
Lead oxide content (PbO) ≥ 22 %
Heavy metal oxide content in total ≥ 23 %

Mechanical properties:

Density in g/cm³ (delivered condition) ≥ 3.13

Other properties:

Glass thickness 0.24 in*
(6 mm*)
Weighted sound reduction index R_w
Spectrum adaptation values C and C_{tr}
 $R_w (C ; C_{tr}) = 34 (-2; -2)$ dB

* Sound insulation values for other thicknesses available upon request.