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Technical data for RD 50		
Optical properties:	Refractive index n_e at 20° C	1.79
	Luminous transmittance	≥85%
Chemical properties:	Hydrolytic class as per DIN ISO 719	HGB 1
	Lead oxide content (PbO)	≥65%
	Heavy metallic oxide content total	≥70%
Mechanical properties:	Density in g/cm ³	≥5.05%
Resistance to solarization:	Very small loss in transmission after continuous exposure, invisible to the eye	1.5%

Available sizes and lead equivalents in mm Pb* for RD 50

Glass thickness in mm/inch	Voltage in kV 80 kilovolt	Voltage in kV 110 kilovolt	Voltage in kV 150 kilovolt	max. available size in mm/inch	max. weight per qm in kg/lbs.
3.5-5.0 0.137-0.197	1.1 mm Pb	1.1 mm Pb	1.1 mm Pb	600 x1300 23.62 x51.18	26 57.38
5.0-6.5 0.197-0.256	1.6mm Pb	1.6mm Pb	1.6mm Pb	1000 x 1700 39.37 x 66.93	33 72.83
7.0-8.5 0.275-0.335	2.2 mm Pb	2.2 mm Pb	2.2 mm Pb	1050 x 2100 41.34 x 82.68	43 94.9
8.5-10.0 0.335-0.394	2.7 mm Pb	2.7 mm Pb	2.7 mm Pb	1050 x 2100 41.34 x 82.68	51 112.56
10.0-11.5 0.394-0.453	3.2 mm Pb	3.2 mm Pb	3.1 mm Pb	1000 x 2000 39.37 x 78.74	59 130.21
11.5-13.0 0.453-0.512	3.6 mm Pb	3.7 mm Pb	3.6 mm Pb	1000 x 2000 39.37 x 78.74	66 145.66
16.0-18.0 0.629-0.709	5.1 mm Pb	5.1 mm Pb	5.0 mm Pb	800 x 1500 31.49 x 59.05	91 200.84
20.0-22.0 0.787-0.867	6.3 mm Pb	6.4 mm Pb.	6.3 mm Pb	800 x 1500 31.49 x 59.05	112 247.18
26.0-29.0 1.023-1.142	8.2 mm Pb	8.23 mm Pb	8.2 mm Pb	800 x 1400 31.49 x 55.12	147 324.43
33.0-36.0 2.99-1.418	10.5 mm Pb*	10.6 mm Pb*	10.4 mm Pb*	800 x 1000 31.49 x 39.37	182 401.68