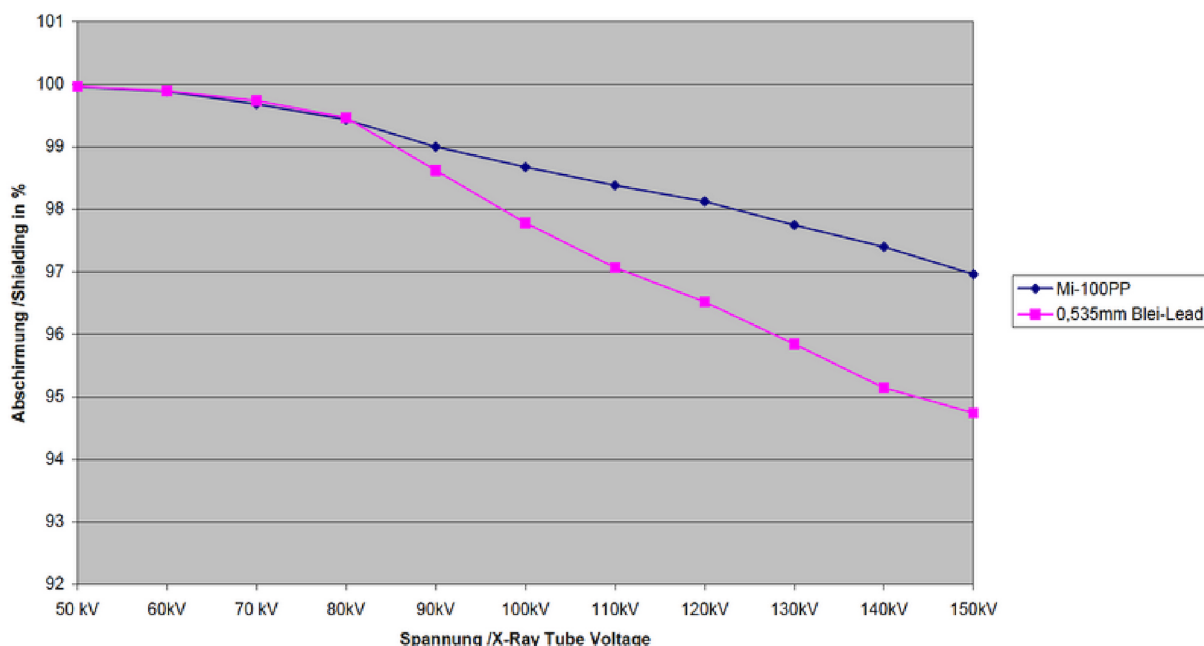


Better protection than Lead above 90kV
Medical Index MI-100PP and FO X-Ray Protection Glasses measured values*

Abschirmwerte / Shielding Value*



*Carried out by TÜV NORD EnSys GmbH & Co. KG

Assessment standards and scope of testing

The test was carried out in accordance with the specifications for the beam geometry of DIN EN 61331-1 in inverse wide beam geometry. The evaluation of the measurement results was carried with a simultaneous comparison of lead samples which were also measured as a reference.

	Without test material	MI-100PP 3D-protection material	Attenuation in %	0,535 mmPB	Attenuation in %
	Ladung am Detektor	Ladung am Detektor		Ladung am Detektor	
50 kV	3160	1,37	99,9566	1,1	99,9652
60kV	4227	4,95	99,8829	4,5	99,8935
70 kV	5396	17,09	99,6833	14,22	99,7365
80kV	6755	38,27	99,4335	36,09	99,4657
90kV	9126	91,39	98,9986	125,8	98,6215
100kV	11330	150,1	98,6752	251,3	97,782
110kV	13540	219	98,3826	396,8	97,0694
120kV	15730	294,7	98,1265	547,4	96,52
130kV	17920	403,5	97,7483	744,8	95,8438
140kV	20180	524,8	97,3994	979,6	95,1457
150kV	22410	681	96,9612	1178	94,7434