

ISO 11979-3:2012-12 (E)

Ophthalmic implants - Intraocular lenses - Part 3: Mechanical properties and test methods

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Requirements	1
4.1	General	1
4.2	Tolerances and dimensions	2
4.3	Clearance analysis (anterior chamber lenses only)	2
4.4	Compression force	2
4.5	Axial displacement in compression	2
4.6	Optic decentration	3
4.7	Optic tilt	3
4.8	Angle of contact	3
4.9	Compression force decay	3
4.10	Dynamic fatigue durability	3
4.11	Surgical manipulation	4
4.12	Surface and bulk homogeneity	4
5	Recovery of properties following simulated surgical manipulation	4
6	Additions for accommodating IOLs (AIOLs)	4
Annex A (normative)	Measurement of compression force	6
Annex B (normative)	Measurement of axial displacement in compression	9
Annex C (normative)	Measurement of optic decentration	12
Annex D (normative)	Measurement of optic tilt	15
Annex E (normative)	Measurement of angle of contact	19
Annex F (normative)	Testing of compression force decay	22
Annex G (normative)	Testing of dynamic fatigue durability	23
Annex H (informative)	Measurement of loop pull strength	25
Annex I (informative)	Clearance analysis	27
Annex J (informative)	Precision	30
Bibliography		31